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ABSTRACT

The report presents data on the prevalence of various types of disabilities among the civilian noninstitutionalized population of the United States during the period 1983-1985. The report includes data on the numbers of disabled persons who reside in the community, their sociodemographic distribution, the severity of disability, and the chronic illnesses and impairments that cause disability. Introductory information identifies highlights, explains disability concepts, and notes sources, limitations, and qualifications of the data. Tables detail the prevalence of the following: chronic conditions, activity limitation, work limitation, need for assistance in activities of daily living, work limitations and need for assistance in activities of daily living, chronic conditions causing activity limitation, chronic conditions causing work limitation, chronic conditions causing need for assistance in activities of daily living, school limitation, multiple chronic checklist conditions, multiple conditions causing activity limitation, multiple conditions causing work disability, multiple conditions causing need for assistance in activities of daily living. Appendixes provide technical notes on methods, definitions of terms, and the 1985 National Health Interview Survey Core questionnaire. (DB)

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DATA ON DISABILITY FROM THE NATIONAL HEALTH INTERVIEW SURVEY 1983-1985

National Institute on Disability and Rehabilitation Research

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Data on Disability from the National Health Interview Survey, 1983-85

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1988

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Symbols

na	Category not applicable
.	Quantity zero
*	Figure has low statistical reliability or precision (more than 30 percent relative standard error)

Introduction

This report presents data on the prevalence of various types of disabilities, resulting from chronic illnesses and impairments, among the civilian noninstitutionalized population of the United States during the period 1983 through 1985. The report provides data on the number and rate of persons with disabilities who reside in the community, their sociodemographic distribution, the severity of disability, and the chronic illnesses and impairments that cause disability. Data are also presented on the prevalence of selected chronic conditions whether or not they cause disability.

The tables provided in this report are national estimates and are based on household surveys of the noninstitutionalized U.S. population. The estimates were produced through secondary analysis of National Health Interview Survey (NHIS) public use data tapes provided by the National Center for Health Statistics (NCHS). To provide as detailed and reliable information as possible, the three most recently available years (1983-1985) of the NHIS were combined. Combining years improves the statistical reliability of the estimates, enabling the sociodemographic distribution of disabilities and the types of chronic health conditions that cause them to be presented in more detail. All estimates are three-year averages.

This report benefits from certain changes introduced by NCHS in 1982 that expanded and clarified the measurement of disability in the NHIS. The traditional measure of disability employed in the NHIS is limitation in one's major activity due to a chronic health condition. Among the nonelderly, major activities are defined as working at a job or business, keeping house, attending school, or, for children under 5 years old, play. However, some adults may be limited in working at a job or business but may not be limited in keeping house. Information on work disability of adults whose usual activities were keeping house or attending school was not recorded prior to 1982. All persons aged 18-69 are now asked about their ability to work, regardless of their major activity. Also added in 1982 were questions about basic personal assistance needs (i.e., whether persons need help with such activities of daily living (ADL) as bathing, eating, dressing, or getting around inside) and routine personal assistance needs (i.e., whether persons need help with such instrumental activities of daily living (IADL) as household chores, doing necessary business, shopping, or getting around for other purposes) due to chronic health conditions. These questions are the basis for the two major disability categories that apply to persons aged 70 and over; they were also asked of persons aged 5-59 with any activity limitations, and of all persons aged 60-69. Questions on the need for and attendance in special schools or classes were also added for persons aged 5-17.

Prevalence estimates based on these disability measures are presented in detailed tables for various population subgroups, including gender, age, race and ethnicity, family income level, poverty status, education level, and marital status, and by chronic health condition. Also presented are estimates of the prevalence of chronic conditions whether or not they cause disability. These estimates serve in assessing the degree to which various conditions result in disability.

Disability is multidimensional, and disability in one dimension does not automatically imply disability in another. An example for the working age population (aged 18-69) is that of work disability and the need for assistance in activities of daily living. Some people who need assistance in ADL, for example, are nevertheless able to work, as data presented in this report demonstrate.

Last, multiple chronic conditions dramatically increase the risk of disability and result in significantly greater use of medical care services (Rice and LaPlante, 1988). Data on the prevalence of multiple chronic conditions (or co-morbidity) causing disability and the impact of multiple conditions on the severity of disability are also presented in this report.

Highlights

Highlights of the data presented in this report, based on analyses of the 1983-85 National Health Interview Surveys (NHIS), are summarized below:

- The five most prevalent chronic conditions in the U.S. noninstitutionalized population are sinusitis, arthritis, hypertension, deafness and other hearing impairments, and heart disease. Per 1,000 persons, about 135 report sinusitis; 131 report rheumatoid arthritis or osteoarthritis and other arthropathies; 124 report hypertension; 91 report deafness and other hearing impairments; and 90 report some form of heart disease.

- Of the total U.S. noninstitutionalized population, 14.1 percent, or 32.5 million persons, report some activity limitation due to chronic health conditions: 3.8 percent of the population are unable to perform their major activity, 5.9 percent are limited in the amount or kind of major activity they can perform, and 4.4 percent are limited in activities other than in their major activity.

- Of the population aged 18-69, 11.5 percent, or 17.4 million persons, report some degree of limitation in working at a job or business due to chronic health conditions. This includes 6.6 percent, or 9.9 million persons, who are unable to work altogether. An additional 3.4 percent of the total population are limited in activities other than working at a job or business.

- Education is highly inversely associated with work disability. While 22.4 percent of persons with less than a high school education report being unable to work, the percent drops to 1.9 for persons who have completed college, a relative ratio of about 12 to 1.

- Of the total population, 3.6 percent, or about 7.6 million persons, report needing help in activities of daily living (ADL) or instrumental activities of daily living (IADL). Of persons aged 18 and over, 1.4 percent need assistance in ADL; an additional 3.0 percent need assistance in IADL. About 0.3 percent of children 5 to 17 years old need help in ADL. Women are more likely than men to need assistance in IADL (3.1 versus 1.6 percent, respectively).

- Roughly 4 persons in 10, including those in institutions, who need help in IADL or ADL are under age 65. Although the rate of such disability is very low among the nonelderly -- about 2 in 100 -- the number of nonelderly persons with potential long term care needs is substantial relative to the number of elderly with potential long term care needs. About 2 persons in 10 (not including those in institutions) who need help in IADL or ADL are under 45 years old.

- Of the 1.1 million persons aged 18-69 who need assistance in ADL, 12.3 percent state they are able to work in some capacity and 4.0 percent report no work limitation at all. Of the 2.7 million persons aged 18-69 who need assistance in IADL only, about 22.5 percent of them are able to work in some capacity while 7.5 percent report no work limitation at all. Thus, persons who need assistance in IADL and even ADL often avoid being prevented from working and some avoid work disability entirely.

- The five most frequently reported chronic conditions indicated as the main cause of activity limitations are arthritis (12.3 percent of all persons with activity limitations), heart disease (11.5 percent), spinal curvature and other back impairments (7.8 percent), impairments of lower extremities (6.1 percent), and intervertebral disk disorders (4.4 percent). These conditions are also the five most frequent causes of work disability. Collectively, orthopedic impairments are major causes of limitation in the adult working ages.

- Arthritis is the most frequent cause of need for assistance in IADL or ADL. Of all persons with such needs, 14.9 percent report arthritis as the main cause. Heart disease follows at 11.5 percent, then blindness and all other visual impairments and eye disorders (7.6 percent), cerebrovascular disease (5.3 percent), and impairments of lower extremities (4.4 percent). Arthritis and heart disease are the major causes of disability, no matter how defined, among older adults. Visual impairments and cerebrovascular disease play more important roles, however, as causes of assistance needs in IADL and ADL.

- Of all children aged 5-17, 2.6 percent, or 1.2 million children, attend special schools or classes, while 0.3 percent need special schools or classes but do not attend them, and 1.1 percent are limited in school attendance but neither need nor attend special schools or classes. Of all children limited in school attendance (excluding those who cannot attend school at all), 65 percent attend special schools or classes. Of those children whose parents are aware that they need special schools or classes, 89 percent attend them.

- Native Americans have the highest prevalence of disability by all measures. The lowest prevalence of disability is found for Asians and Pacific Islanders.

- People often report multiple chronic circulatory conditions and multiple impairments. The role of hypertension as a risk factor in ischemic heart disease, arteriosclerosis, and cerebrovascular disease is confirmed. Persons with speech impairments, serious visual impairments, and paralysis often report multiple impairments.

- The five most prevalent combinations of activity-limiting conditions are multiple eye and/or ear impairments (481,000 persons), arthritis and hypertension (469,000), heart disease and hypertension (458,000), heart disease and arthritis (384,000 persons), and heart disease and diabetes (313,000). These combinations are also most frequently reported as causes of work disability.

- The condition combinations most disabling in terms of work are heart disease and emphysema (91.1 percent of persons with any activity limitation caused by both conditions are unable to work), cerebrovascular disease (main cause) and heart disease (88.8 percent), heart disease (main cause) and cerebrovascular disease (88.8 percent), eye or ear impairments and heart disease (88.0 percent), and absence or paralysis of extremities and cerebrovascular disease (85.2 percent).

- Multiple eye and ear impairments are the most frequently reported combination of conditions causing need for assistance in IADL or ADL (214,000 persons), followed by cerebrovascular disease and absence or paralysis (138,000), heart disease and arthritis (137,000), arthritis and heart disease (116,000), and arthritis and hypertension (108,000).

- Condition combinations highly likely to result in assistance needs in ADL are cerebrovascular disease and diabetes (54.6 percent of persons with any activity limitation caused by both conditions need help in ADL), absence or paralysis of extremities and cerebrovascular disease (39.9 percent), and absence or paralysis of extremities and diabetes, cerebrovascular disease and absence or paralysis of extremities, and cerebrovascular disease and heart disease, all tied at 39.7 percent. Clearly, the major risks of IADL or ADL limitation among persons with some degree of disability are cerebrovascular disease and loss of function in the extremities.

Disability concepts

Disability refers to the state of being limited, due to a chronic health condition or set of conditions, in the type or amount of activities that a person would otherwise be expected to perform (Haber, 1967; Nagi, 1976). The types of such normative activities depend principally on age. In the National Health Interview survey (NHIS) and in this report, disability is defined in terms of the major activities usually associated with a person's age group.

The NHIS defines these major activities as (1) ordinary play for children under 5 years of age, (2) attending school for persons 5-17 years of age, (3) working or keeping house for persons 18-69 years of age, and (4) capacity for self care (e.g., the ability to perform such activities of daily living (ADL) as bathing, dressing, eating, or getting around the home without the help of another person) and home management (e.g., the ability to perform such instrumental activities of daily living (IADL) as doing household chores, doing necessary business, shopping, or getting around for other purposes without the help of another person) for those 60 years of age and over. Persons aged 18-69 whose actual major activity is keeping house are also asked whether they are limited in working at a job or business. A residual category is defined for people who report no limitations in major activity but report being limited in some other way. Persons whose major activity is keeping house, but who are not limited in this activity, are classified as limited in non-major activity if they have a work limitation. All persons aged 5-59 with activity limitations are also asked about their need for assistance in ADL or IADL.

Persons aged 18-69 may be classified in terms of ability to perform their major activity, ability to work, and, for persons aged 18-59 who are limited in any activity and all persons aged 60-69, capacity for self-care and home management unassisted by another person. Persons aged 5-17 may be classified in terms of ability to attend school, and if limited in any activity, capacity for self-care.

Indicators of disability used in this report are: (1) limitations in major activity, (2) limitations in work, and (3) need for personal assistance with activities of daily living, defined for the appropriate age groups. In each case, persons can also be classified in terms of the severity of disability. For example, a distinction is made between persons who, due to a chronic health condition, cannot work at all and those who can perform only certain types of work or cannot work regularly.

For each of the three disability indicators, persons can be classified into four categories: those who are unable to perform the activity, those who can perform the activity, but are limited in the kind or amount of the activity, those who can perform the activity with no limitation, but are limited in other activities, and those who are not limited in any way. To be classified as limited, a person must report one or more chronic conditions as a cause of limitation. A condition is considered chronic if it has lasted at least three months or is on a list of conditions considered chronic regardless of onset (Appendix II). If more than one condition is reported, the respondent is asked to indicate which condition is the major cause of the limitation. Persons reporting more than one type of limitation may report different conditions as causes for each type of limitation.

A complete understanding of the disability definitions as used in the NHIS requires familiarity with the survey questions and their skip patterns. To facilitate this, the 1985 NHIS Core questionnaire is reproduced in Appendix III. The disability items are contained in Section B (Limitation of Activities page). The content of the questionnaires used in l983 and l984 is identical to l985 for the information presented in this report.

Sources, limitations, and qualifications of the data

The information presented in this report is based on data collected by the National Center for Health Statistics (NCHS) through the National Health Interview Survey (NHIS), a continuing nationwide probability sample of households in the United States. Only the civilian noninstitutionalized population is interviewed in the NHIS; data from the NHIS presented in this report therefore exclude persons living in long term care facilities including nursing and convalescent homes, correctional institutions, institutions for the mentally or physically disabled, and other institutional and group quarters not defined by NCHS as households. Although this exclusion affects all age groups, it particularly affects the elderly population, which is disproportionately represented in chronic care institutions.

Detailed information on the sampling design of the NHIS is provided in *Current Estimates* annually (see, for example, Moss and Parsons, 1986) and in more detail elsewhere (Kovar and Poe, 1985).

In addition to reports presenting data from the NHIS on special topics, NCHS annually publishes data from the NHIS on the prevalence of chronic conditions and limitation of activity in *Current Estimates*. This report provides estimates from the NHIS of the prevalence of work disability and need for assistance in activities of daily living that are not regularly published by NCHS, and provides detailed estimates of the prevalence of chronic conditions by age and sex and the prevalence of disability for selected population subgroups and by conditions responsible. The major definitions of population characteristics used in this report are contained in Appendix II.

An advantage of the NHIS is the ability to combine data over several years to reduce sampling variability and facilitate estimating rare events and detailed population breakdowns. Combining years is possible because of the stability in both the sampling design and the content of the core questionnaire. Data from the years 1983 to 1985 were combined to produce detailed estimates of the prevalence of chronic conditions in general and chronic conditions causing disability in particular, as well as breakdowns for detailed population groups. All estimates are three-year averages.

The number of persons interviewed was 105,620 persons in 1983; 105,290 in 1984; and 91,531 in 1985. In 1985, budgetary restrictions forced a reduction in sample size. The planned sample size was about 127,000 persons. The sampling design of the survey was modified beginning in 1985, but this does not affect the ability to combine the data with earlier years. Design changes included reducing the number of primary sampling units from 376 to 198 to increase sampling efficiency, oversampling the black population to improve the accuracy of information for this group, and other changes to facilitate linkage with other NCHS surveys. These changes do not affect point estimates when sampling weights are used, but they do affect sampling error. All estimates presented in this report are based on weighted data.

The NHIS has a very low nonresponse rate, averaging about four percent in any year. About two and one-half percent is due to respondent refusal, while the rest is due to the inability to contact an eligible respondent. All information is derived from reports by responsible family members living in the household. Although all adult family members are encouraged to participate in the interview, proxy responses are accepted for family members who are not present at the time of the interview or who cannot answer for themselves. Proxy answers are required for children under age 17. Precautions are taken to ensure the accuracy of information reported, but inaccuracies may be introduced because self-respondents and proxies are not aware of the requested information, have poor recollection, do not wish to discuss it, or miscomprehend the intended point of a question.

Because estimates are based on a sample of the population, they are subject to sampling error. Due to the re-design of the NHIS in 1985 and reduction in sample size, pooling data across the years 1983-85 requires special consideration for the calculation of sampling errors. Formulas used to calculate the errors of estimates are given in Appendix I. In the tables presented in this report, estimates having high sampling error are flagged by an asterisk (*). Sampling error on such estimates exceeds 30.0 percent of the magnitude of the estimate. A period alone means that no entry occurred in the data (quantity is zero) and "na" means not applicable. Estimates of the umbers of persons or conditions have been rounded to the earest thousand. Percentages of totals and rates were omputed on non-rounded data but were subsequently rounded one decimal place.

everal tables provide estimates of the numbers of persons with hronic illnesses and impairments. It is important to note that e survey methods used to obtain information on chronic onditions in general differ from those used for disabling chronic onditions. The existence of chronic conditions in general is scertained through six checklists of selected chronic conditions, rganized mainly by body systems. Each household is randomly ssigned one checklist and all persons in the family are asked nly the questions on this checklist. The checklists used are hown in Appendix III. Sub-sampling allows for more detailed numeration of conditions than could be obtained if one list with onditions combined across all body systems were used. isadvantages are that analyses of multiple or co-morbid onditions are precluded, except for those conditions on the ame checklist, and greater sampling variability is introduced ecause of the one-sixth sampling. Subsampling also ecessitates pooling years for detailed tabulations of some hronic conditions with low prevalence.

different procedure is used for enumerating conditions that ause disability. Persons who report any disability must report at ast one condition as a cause of their disability. No checklist is sed. Rather, such persons are simply asked to state the onditions that cause their disability and, if there are more than ne, to name the main condition. This procedure is repeated for ach type of disability a person reports (however, conditions that ause children's needs for special classes are not ascertained). n advantage is that this method allows unrestricted analyses of o-morbidity. One potential disadvantage, however, is that the vel of detail is 'volunteered' rather than established *a priori* as ith the checklist method. This probably introduces some error classifying disabling conditions since all persons may not port them with the same degree of accuracy.

All conditions reported in the interview are coded using the Ninth Revision of the ICD, modified slightly for use in the NHIS. In order to be classified as chronic, a condition must either have been noticed 3 months or more before the date of interview or be on the NCHS list of conditions defined as chronic regardless of time of onset (Appendix II). The condition groups presented are a modification of the diagnostic recodes B and C provided by NCHS on the public use tapes. These recodes were modified to provide more detail on disabling conditions. The classification of conditions listed in Table 1 is the same as the classification used in tabulating disabling conditions (Tables 6A-8B). The ICD codes used for these conditions are shown in Appendix II, Table II-A.

Although methodological studies have found that the accuracy of information on chronic conditions, as determined by comparisons to information from medical providers, is improved through the use of checklists of conditions, there is often considerable underreporting and overreporting of chronic conditions (Balamuth and Shapiro, 1965; Madow, 1967; Cox and Cohen, 1985). Respondents report conditions only to the extent that they are aware of them and are willing to mention them. Fashionable conditions may be overreported. Stigmatized conditions are frequently underreported. Reporting improves for conditions that have a substantial impact on the affected individual and significant others, such as those that result in hospitalization and chronic activity limitation.

Highlights are presented for each of the detailed tables. In discussing highlights, comparisons are made between population groups and differences noted. Small differences may not be statistically significant. Tests of significant differences between estimates can be computed using the formulas for calculating standard errors given in Appendix II and the methods suggested in Moss and Parsons (1986), Appendix I.

Discussion of detailed tables

A. Prevalence of chronic conditions

Table 1 presents estimates of the number of selected chronic conditions and rate per 1,000 persons in the total population, by four age groups (under 45 years, 45-69 years, 70-84 years, and 85 years and over), and by gender. The cutoff for the middle age group -- 69 years -- was chosen to be consistent with the age groups for which NCHS defines different types of major activity.

Information on chronic conditions was obtained through six broad checklists shown in Appendix III. On these checklists, conditions are grouped into six categories: skin and musculoskeletal conditions, impairments, and digestive, circulatory, respiratory, and miscellaneous conditions. Impairments are mainly functional or structural musculoskeletal and neuromuscular abnormalities and other abnormalities of visual and auditory senses, speech, and intelligence (NCHS, 1986). The conditions listed in Table 1 are only those that can be meaningfully estimated from these checklists. Table 1 therefore presents data on selected chronic conditions only. Within each of the six condition categories presented in Table 1 is a residual group of conditions. They do not represent all other conditions--only those "select" ones asked on the survey checklist that are not enumerated separately in the table. Some minor conditions that do appear on the checklists -- acne for example -- are not presented in Table 1 because they rarely cause disability.

Estimates of some conditions not separately identified on this list can be found in *Current Estimates* for single years 1983-85 (for example, for 1985 data see Moss and Parsons, 1986). Three-year average estimates of chronic conditions have also been published for the years 1979-81 (Collins, 1986). Certain estimates that appear in this report will differ from estimates published by NCHS for comparable years because conditions are grouped differently.

The five most prevalent conditions based on rates per 1,000 persons are sinusitis, arthritis, hypertension, deafness and other hearing impairments, and heart disease, respectively. Per 1,000 persons in the total population, about 134.6 report sinusitis as a chronic condition; 131.0 report rheumatoid arthritis or osteoarthritis and other arthropathies; 123.5 report hypertension; 90.8 report deafness and other hearing impairments; and 89.7 report some form of heart disease.

The prevalence estimates reported in Table 1 avoid duplicate counts of persons within each condition category. However, it should be noted that estimates summed over categories may include persons more than once if they have more than one condition in the group being summed. Further discussion of multiple conditions occurs in Section J.

Of course, the relative ranking of conditions depends on how conditions are grouped. For example, if all deformities and orthopedic impairments are combined, they would rank fourth at 121 per 1,000 persons.

Gender differences in reporting chronic conditions are well-known (Verbrugge, 1982). Rankings based on rates presented in Table 1 show some differences between men and women. Per 1,000 men, sinusitis (116.8), hypertension (108.7), deafness and other hearing impairments (105.9), arthritis (95.3), and heart disease (84.5) are reported most often. Per 1,000 women, arthritis (164.3), sinusitis (151.2), hypertension (137.3), heart disease (94.4), and hay fever (90.4) rank as the top five conditions. Women are more likely to report skin and musculoskeletal problems than are men, with the exception of intervertebral disk disorders and skin cancer. Men are 1.7 times more likely than women to have skin cancer. Women are 1.7 times more likely than men to report any type of arthritis. In general, women are much less likely to report impairments than men, especially loss of arms, hands, and other extremities; major exceptions are curvature of the back or spine and cataracts for which prevalence rates are twice as high for women as for men.

Women report heart disease more often than men despite higher rates of mortality from heart disease among men. However, men are more likely than women to report ischemic (coronary) heart disease, the leading cause of death from heart disease. More frequently, women report hypertension, phlebitis and varicose veins, and respiratory conditions than men, with the exception of emphysema and lung cancer.

The largest relative difference between women and men is the more than five-fold rate of anemias reported by women compared to men (24.6 compared to 4.8 per 1,000 persons). Whereas men are slightly more likely than women to suffer from epilepsy, women are 2.7 times more likely than men to report migraine headaches. Some differences between men and women may be due to differences in population age distributions. Therefore, it is important to make comparisons between genders controlling for age differences.

Although the rates of most chronic conditions increase with age, there are exceptions. Intervertebral disk disorders, bursitis, ulcers, and sinusitis are highest in the 45-69 age group. Spinal curvature and other back impairments are lowest for persons under age 45. For persons aged 45 and older, the rates for spinal curvature increase slightly for older age groups while the rates for other back impairments decline slightly with increasing age. In general, chronic respiratory conditions tend to remain steady or decline with age, with the exception of emphysema which rises with age. Of all conditions, arthritis and cataracts show the greatest increase with age. Slightly more than half (508.3 per 1,000) of persons aged 85 and over report arthritic disorders compared to 32.9 per 1,000 persons under 45 years of age: a relative ratio of 15 to 1. The relative age ratio for cataracts is higher yet: about 180 to 1.

Many of the age patterns shown in these data are influenced by mortality and institutional selection. If the data were adjusted for these factors, the rates for many conditions that decrease at older ages would continue to increase with age, and the most prevalent conditions at the older ages would be even higher.

These differing age patterns of course significantly affect the ranking of conditions. Among the oldest-old, those aged 85 and over, the five most frequently reported conditions per 1,000 persons are arthritis (508.3), deafness and other hearing impairments (484.0), heart disease (414.8), hypertension (371.7), and cataracts (325.1). Per 1,000 persons under 45 years of age, sinusitis (117.9), hay fever (90.2), spinal curvature and other back impairments (47.8), psoriasis and dermatitis (47.5), and chronic bronchitis (45.3) are reported most frequently.

Among the oldest-old, although the rankings differ between men and women, the top five conditions are the same. Per 1,000 men, heart conditions (521.9), deafness and other hearing impairments (513.1), arthritis (377.1), cataracts (301.2), and hypertension (273.1) are reported most often. Conditions with the highest prevalence per 1,000 women are arthritis (569.8), deafness and other hearing impairments (470.1), hypertension (418.0), heart conditions (364.7), and cataracts (336.3). At 85 years and over, women report about 50 percent more arthritic and hypertensive conditions, 12 percent more cataracts, 30 percent fewer heart conditions, and 8 percent fewer hearing disorders than men. These rates are based on small numbers, and their variances are consequently large. For example, the reporting of arthritic and hypertensive conditions is significantly higher among women than among men (t-test of differences in rates, p=.05), but the other differences may be due to sampling variation.

Among persons under 45 years of age, differences between men and women are considerable. Sinusitis, however, ranks first for both men and women (101.7 and 133.9 per 1,000 persons, respectively). The next most prevalent conditions per 1,000 men are hay fever (86.8), deafness and other hearing impairments (47.4), hypertension (40.9), and spinal curvature and other back impairments (39.8). Per 1,000 women, sinusitis is followed by hay fever (93.6), psoriasis and dermatitis (55.9), spinal curvature and other back impairments (55.5), and female genital disorders (53.7).

B. Prevalence of activity limitation

In Table 2, estimates of the number of persons and the percentage of the total population with limitation in activity are shown by degree of limitation, and by detailed sociodemographic characteristics. Of the total U.S. noninstitutionalized population, 14.1 percent, or 32.5 million persons, report some activity limitation due to chronic health conditions: 3.8 percent of the population are unable to perform their major activity, 5.9 percent are limited in the amount or kind of major activity they can perform, and 4.4 percent are limited in activities other than in their major activity. As mentioned in the introduction, activity limitation is a summary measure of disability and is based on the concept of major activity, defined differently for various age groups. Since persons who are limited in activities other than the major normative activities associated with their age group are included, it is the broadest measure of disability employed in the NHIS and is useful in pointing out differences in the distribution of disability between various population groups.

It should be mentioned that these estimates are based on the entire sample and therefore have much lower variances than do condition estimates, which are based on 1/6 samples. The relative standard errors for the number of men or women with limitation of activity is less than 1 percent. With such population-based data, even small differences can be highly significant, but caution must be exercised when making comparisons since differences may be due to sampling variation.

In general, women are more likely to be limited in activity than men (14.5 compared to 13.6 percent respectively). Women are less likely to be unable to perform their major activity than men but are more likely to be limited in the amount or kind of major activity they can perform or to be limited in activities other than their major activity. These differences actually depend on what definitions of major activity are employed for the working age population. Persons aged 18-69 whose major activity is keeping house, but who are not limited in keeping house, may be limited in working at a job or business. If so, such persons are classified as being limited in activities other than their major activity.

Except for a small decrease at ages 18-24 and a sizable decrease at ages 70-74, the percent of the population with activity limitation increases with age (Figure 1). The reduction in limitation in major activity at ages 70-74 is due to the different definition of major activity--ability to care for oneself or manage one's home independent of help from others--employed beginning with age 70. This more restrictive standard also results in a large increase in the proportion of the population limited in activities other than major activity, a group which consists of persons with chronic conditions that impact on a broad range of activities such as work and social and recreational activities. Of persons aged 70-74, 20.5 percent have limitations in other than major activity, while 13.0 percent report some limitation in major activity.

At ages 75 and older, the percent of persons with limitations in major activity rises, while the percent of persons with limitations in other than major activity declines. The net result is that the proportion of the population with activity limitation rises from ages 70-74 to older age groups. At ages 85 and over, 58.7 percent of the population report some activity limitation.

Below age 75, gender differences in the percent of persons with limitation of activity are small and inconsistent. At ages 75 and over, women are somewhat more likely than men to be limited in activity. In the working ages 18-69, men are more likely than women to report being unable to perform their major activity. On the other hand, at ages 45-69, women are more likely than men to report being limited in the amount or kind of major activity they can perform. These gender differences are larger at the older working ages and result from the fact that many women who are limited in work do not report limitations in housekeeping activities.

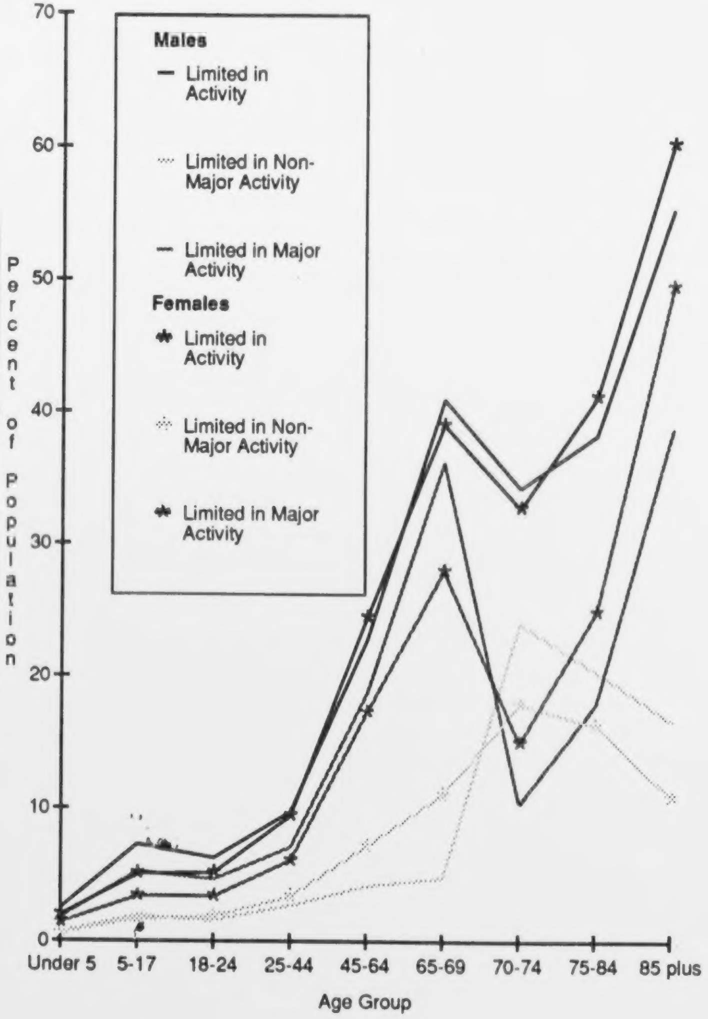

Figure 1: Percent of persons limited in activity, by degree of limitation, age, and gender, United States, 1983-85.

Of the ethnic and racial groups identified by the NHIS, Asians and Pacific Islanders have the lowest rate of limitation (6.5 percent) and Hispanics have the next lowest rate, (about 10-11 percent). Native Americans have the highest rate of limitation, (17.8 percent), followed by non-Hispanic blacks (14.9 percent), and non-Hispanic whites (14.5 percent). Trevino and Moss (1984) found the prevalence of limitation of activity by race and Hispanic ethnicity to be influenced considerably by differences in the age structure of these groups. Age adjustment would undoubtedly accentuate the differences between Native Americans and non-Hispanic whites due to higher rates of mortality and younger age structure of the Native American population.

Gender appears less important than race and ethnicity as a factor in disability. However, within these various racial and ethnic groups, women consistently report slightly higher rates of activity limitation than men.

Disability is clearly inversely related to family income. Persons in families with incomes below $10,000 are much more likely than persons with family incomes of $35,000 or above to report some activity limitation. The relative differences are greatest in terms of inability to perform major activity. The percentage of persons unable to perform their major activity among the lowest income families exceeds that of the highest income families by 5.8 to 1. While poor persons are more likely than those above the poverty line to be limited in activity (19.6 percent compared to 13.1 percent) this is mostly due to different rates of limitation in major activities.

Educational attainment is highly inversely related to disability. Of persons aged 18 and over with no high school education, 38.0 percent report some limitation in activity while among college graduates, the percent drops to 10.5. The relative differences are again greatest with regard to inability to perform major activity. Persons with 8 years or less education have the highest risk of being unable to perform major activity (13.6 percent), while persons with 16 years or more of education have the lowest risk (1.9 percent), a ratio of 7.3 to 1.

Gender differences in disability are greatest at the lowest education and income levels and virtually disappear at the highest education and income levels. Again, age is an important factor in the differences by income and education groups, as older persons have less educational attainment, lower income, and greater disability than younger persons.

Widowed, divorced, and separated persons have higher rates of disability than married and never-married persons. Widowed persons report the highest rate of any activity limitation (40.4 percent). Persons who have never married have the lowest rate of any activity limitation (10.9 percent). Age is of course a very important factor as widowed persons are more likely to be older and single persons to be younger. There are no major gender differences in total rates of disability within these marital status groups, but divorced, widowed, and separated men are much more likely than women in these groups to be unable to perform their major activity. On the other hand, women in these groups are more likely than men to be limited in the amount or kind of major activity they can perform.

C. Prevalence of work limitation

In Table 3, estimates of the number of persons and percent distribution of the total population reporting work limitation are provided by degree of limitation and selected sociodemographic characteristics. The term work disability is used to refer to limitations in the amount or kind of work or inability to work. Of the population aged 18-69, 11.5 percent, or 17.4 million persons, report some degree of limitation in working at a job or business due to chronic health conditions. This includes 6.6 percent, or 9.9 million persons, who report being unable to work altogether. An additional 3.4 percent of the total population are limited in activities other than working at a job or business.

In the previous section, it was indicated that some part of gender differences in ability to perform major activity result from differences in definitions of major activity. That point is borne out in Table 3, which shows that there are only small differences in rates of work disability between men and women. Considering any work limitation, the rates for men and women are almost equal (11.6 versus 11.4 percent, respectively). However, women are slightly more likely than men to be unable to work (6.8 versus 6.3 percent, respectively). On the other hand, women are slightly less likely than men to be limited in the kind or amount of work they can perform (4.6 versus 5.3 percent, respectively). That women are less likely than men to be unable to perform their major activity but just as likely to be unable to work may indicate that women are more likely than men to accommodate their disability by changing their major activity from working to keeping house. Also, of persons outside the labor force, women with disabilities may be less likely than men to enter or re-enter the labor force.

Work disability increases steeply with age (Figure 2). While only 1.8 percent of the population aged 18-24 report being unable to work, the percentage rises to 23.6 in the age group 65-69. The rise is more gradual for limitations in the amount or kind of work.

At ages 65-69, men report higher rates of work limitation than women, but women report higher rates of non-work limitations. Men at any age are slightly more likely than women to report limitations in the kind or amount of work they can perform although there are no consistent gender differences by age in the percent of persons unable to work.

Native Americans and non-Hispanic blacks report the highest rates of work disability (17.4 and 14.7 percent, respectively). The lowest rate is found for Asians and Pacific Islanders (5.5 percent).

Since the population is restricted in this table to the working ages 18-69 years, age differences are not quite as important as when the age of the groups being compared varies over the full age

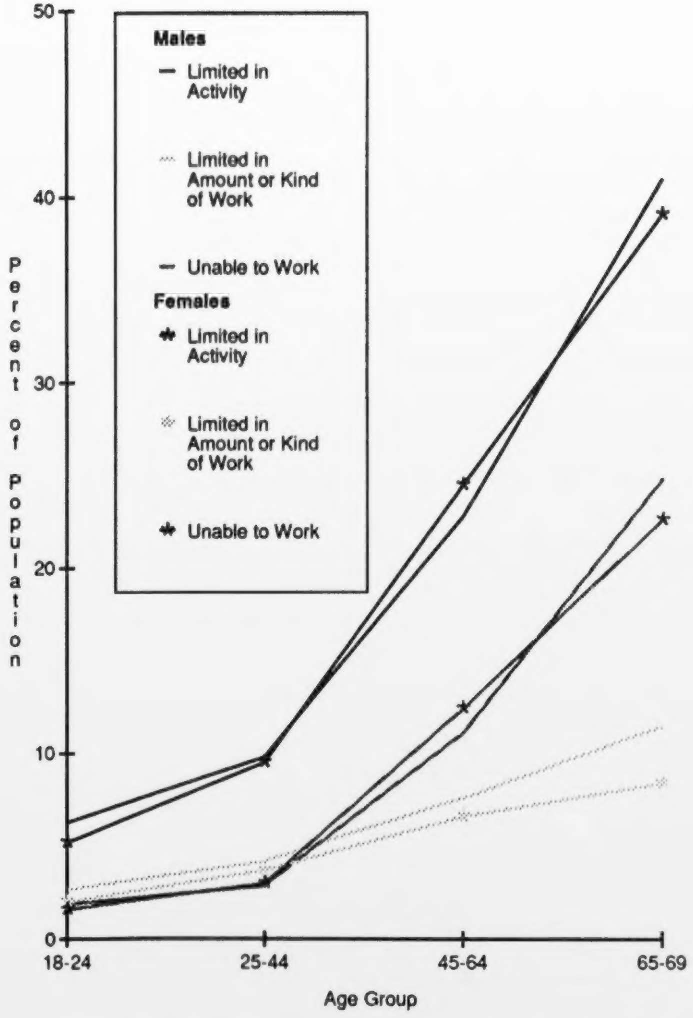

Figure 2: Percent of persons limited in work, by degree of limitation, age, and gender, United States, 1983-85.

range. Age adjustment would probably affect these rates of work disability to a small extent.

Differences between family income levels in inability to work are quite pronounced. Of persons with family incomes of under $10,000, 17.1 percent report being unable to work due to chronic conditions, while the percentage is 2.1 of those in families earning $35,000 or more, a relative ratio of 8.1 to 1. This suggests a strong relationship between work disability and earnings losses. The income gradient in limitations in the amount or kind or work is less steep. People in this category do not experience earnings losses as large as those who forego work entirely. Although the percent of persons with limitations in activities other than work declines with greater family income, the differences are very small. Income losses are clearly a consequence of work disability. Luft (1978) has estimated that 30 percent of poor persons with disabilities are poor because of disability. Although one would expect the impact of disability on individual income to be more pronounced than that on family income, data on individual income are not available.

Women are slightly more likely than men as a whole to report being unable to work. However, when family income is controlled, women in families with incomes below $25,000 are less likely than men to be unable to work. The greater proportions of women in the lower income categories, compared to men, contributes to the slightly higher average rate of inability to work in the total female population.

As would be expected, there are large differences by poverty status in rates of work disability. Persons in poverty are 2.7 times as likely as persons above the poverty line to be unable to work -- 15.1 versus 5.5 percent, respectively. Differences are not as great for other work limitations or limitations in activities other than work. As with women in low income families, women in poverty actually show a slightly lower rate of inability to work than men; the greater proportion of women in poverty contributes to the larger average rate of inability to work among women as compared to men in the total population.

Differences in work disability by educational attainment are profound (Figure 3). While 22.4 percent of persons with less than a high school education report being unable to work, the percent drops to 1.9 for persons completing a college education, a relative ratio of 11.8 to 1. Since educational attainment is permanent (while income is not), these differences suggest a strong causal relationship of educational attainment on work disability. While significant income losses can be expected to result from disability, educational attainment and associated factors, such as occupation and transferability of skills and experience, are very important determinants of work disability.

Regarding marital status, widows and separated persons report the highest rates of work disability. Of widowed persons, 29.5 percent report some work limitation; 21.5 percent report being unable to work. Never married persons report the lowest rates of work disability (7.9 percent). Again, differences in the age distributions of these groups is a factor. Differences by gender within these marital status groups are not as large as differences between marital status groups.

Estimates of the prevalence of work disability often differ between surveys, reflecting a sensitivity to how questions are worded and surveys designed and operated. McNeil (1983) compared with other sources work disability prevalence rates estimated from the 1981 and 1982 Current Population Surveys (CPS) conducted by the Bureau of the Census. The lowest rate of work disability is obtained from the 1980 Census -- 8.5 percent of persons 16-64 years of age. The highest rate is given by the 1978 Survey of Disability and Work conducted by the Social Security Administration -- 17.2 percent of persons 18-64 years old. From the 1981 and 1982 CPS, work disability prevalence is estimated to be about 9.0 percent. In the current analysis, the estimate from the 1983-85 NHIS for ages 18-64 is 10.0 percent. The NHIS sample design is based on the CPS, the questions asked are similar, and Census interviewers actually conduct the NHIS in the field, so a high correspondence would be expected between these two surveys. The Survey of Income and Program

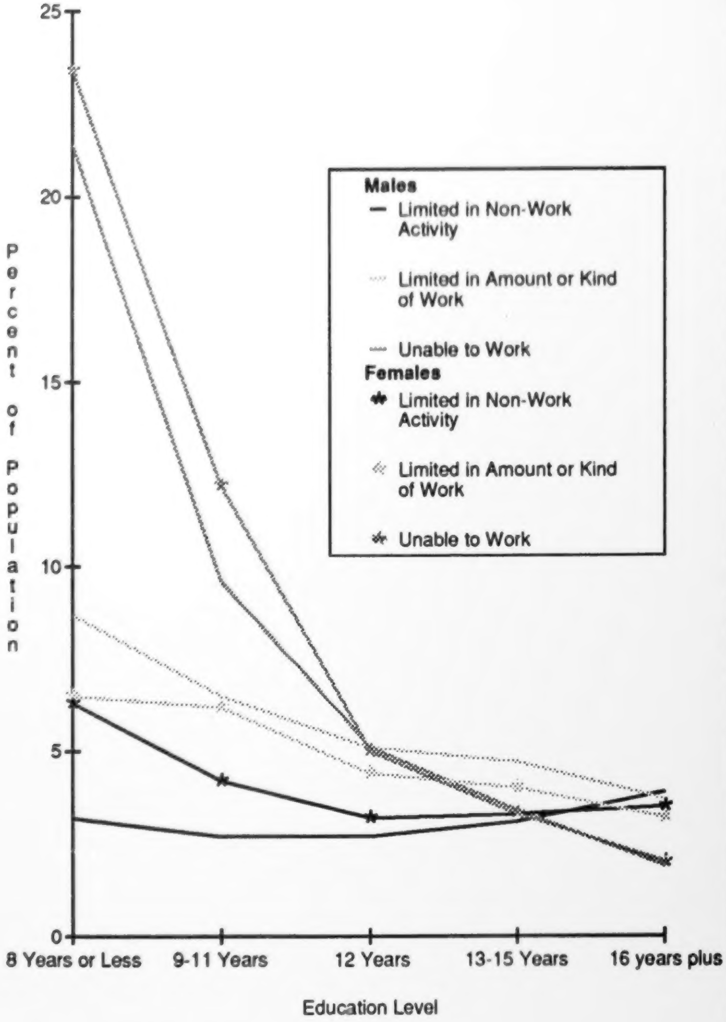

Figure 3: Percent of persons limited in work, by degree of limitation, education, and gender, United States, 1983-85.

Participation (SIPP), conducted in May through August of 1984, yields an estimate of 12.1 percent of persons aged 16-64 with a work disability (U.S. Bureau of the Census, 1986), which is somewhat higher than the NHIS estimate of 10.0 percent.

In general, the NHIS yields estimates of the prevalence of work disability that are close to what would be expected based on the CPS and decennial censuses. These sources, together with the recent SIPP results, provide a rough consensus on the extent of work disability in the working ages. Differences in survey estimates must, however, remain a matter of concern for policy and survey research methodology.

D. Prevalence of need for assistance in activities of daily living

"Activities of daily living" (ADL) (Katz and Akpom, 1976) and "instrumental activities of daily living" (IADL) are two scales developed through research on elderly and disabled populations to measure dependencies in basic self-care and other functions important for independent living and avoidance of institutionalization. The Duke OARS ADL and IADL instruments (Center for the Study of Aging and Human Development, 1978) are often used in community and survey research as they are designed for self or proxy reporting (in contrast to professional assessment). Included in ADL are several activities vital to independent personal functioning. They include bathing, dressing, toileting, getting in or out of bed or chairs, getting outside, continence, eating, and walking. Together, these items are considered a standard for assessing personal care limitations and have been employed with some variation in several surveys. IADL activities measure ability to live at home independently. IADL items that have been included in a number of major surveys are preparing meals, shopping for personal items, managing money, using the phone, doing laundry, doing heavy housework, doing light housework, taking medications, getting around outside, and going places outside of walking distance. Questions about the individual items that make up these scales are often asked separately. In the NHIS core questionnaire, two global questions are asked that attempt to measure the existence of any problem in performing IADL or ADL. In this analysis, persons who "need the help of other persons with personal care needs, such as eating, bathing, dressing, or getting around their home" are classified as limited in ADL. Persons are classified as limited in IADL if they "need the help of other persons in handling routine needs, such as everyday household chores, doing necessary business, shopping, or getting around for other purposes." If a person indicates they need help in ADL, they are not further asked about IADL. Note that these questions do not measure difficulty in performance of IADL or ADL, which would provide a broader definition of limitation, nor do they ask about help actually received.

Estimates of the number of persons and percent of the total population who need assistance in activities of daily living by degree of limitation and selected sociodemographic characteristics are presented in Table 4. Compared to other types of disability, the need for assistance in activities of daily living occurs much less frequently. Of the total population, 3.6 percent, or about 7.6 million persons, report some need for help in IADL or ADL. Note that the total number of persons who need assistance in IADL can be obtained from this table only if it is assumed that persons who need assistance in ADL also need assistance in IADL, since this was not ascertained by the survey. However, other research indicates that most people who need assistance in ADL also need assistance in IADL (Weissert, 1985).

Of persons aged 18 and over, 3.0 percent need assistance in IADL only and 1.4 percent need assistance in ADL. Women are more likely than men to need assistance in IADL only (3.1 versus 1.6 percent, respectively). IADL needs do not apply to persons under 18 years old. About 0.3 percent of children 5 to 17 years old need help in ADL.

The fraction of the population needing assistance in activities of daily living increases steeply with age. Of persons aged 18 to 64, 2.1 percent need assistance in IADL or ADL. This increases to 8.0 percent of persons aged 65-69 years and to 46.1 percent at ages 85 and over.

Despite the widespread association of long term care needs with the elderly population, Table 4 shows that a significant fraction of persons living in the community who need assistance in IADL or ADL are nonelderly. Of persons with IADL assistance needs only, 43.4 percent are under age 65. Of persons who need assistance in ADL, 40.2 percent are under age 65. These calculations, however, do not include persons in institutions. Recent estimates of the number of persons in institutions by age are given in Table A.

Table A. Number of persons in institutions by type of facility and age group

Age Group	*Total*	*Facilities for Mentally Retarded*[1]	*Nursing Homes*[2]
Under 65	407,100	231,500	175,600
65 plus	1,334,772	18,972	1,315,800

[1] 1986 Inventory of Long-Term Care Places (Sirrocco, 1987).
[2] 1985 National Nursing Home Survey (Hing, 1987).

The 1986 Inventory of Long Term Care Places and the 1985 National Nursing Home Survey identified about 407,000 persons under age 65 and about 1,335,000 persons age 65 and older who were living in institutions. If we assume that these persons need assistance in IADL or ADL and add these numbers of institutionalized persons to those in the community who need assistance in IADL or ADL, we obtain about 3.6 million nonelderly and about 5.7 million elderly persons who need the assistance of another person in IADL or ADL. Thus some 38.7 percent -- roughly 4 in 10 -- of all persons with limitations in activities of daily living are nonelderly. About 2 persons in 10 living outside of institutions who need help in ADL are under 45 years old. These points are summarized in Figure 4. Although the rate of limitation in activities of daily living is very low among the nonelderly -- about 2 persons in 100 need help in IADL or ADL-- the number of nonelderly persons with potential long term care needs is significant relative to the number of elderly with potential long term care needs.

Women at any age are more likely than men to need assistance in IADL only, with the exception of the age group 18-24. Gender differences in IADL tend to increase with age, but gender differences by age in ADL are small and inconsistent.

Native Americans and non-Hispanic blacks show the highest rates of assistance needs in IADL or ADL (5.0 and 4.4 percent respectively), followed by white non-Hispanics (3.6 percent). Asians and Pacific Islanders, as with other measures of disability discussed earlier, show the lowest rate of assistance needs in IADL or ADL (1.2 percent). Differences in age structure may be a factor in these contrasting rates.

Black non-Hispanic, white non-Hispanic, and white Hispanic women are more likely than men to need assistance in IADL only. Within these racial and ethnic categories, the differences between men and women who need assistance in ADL are not large.

Although the percent of persons who need assistance in IADL or ADL declines as family income rises, the gradient is not as steep as seen earlier with work limitation. Of persons living in families with incomes of less than $10,000, 8.1 percent need assistance in IADL or ADL compared to 1.4 percent of persons in families with incomes of $35,000 or more. Persons with such limitations are, in general, older than persons with work limitations and are more likely to be out of the labor force, so disability in IADL or ADL has less of an impact on family earnings than disability in work.

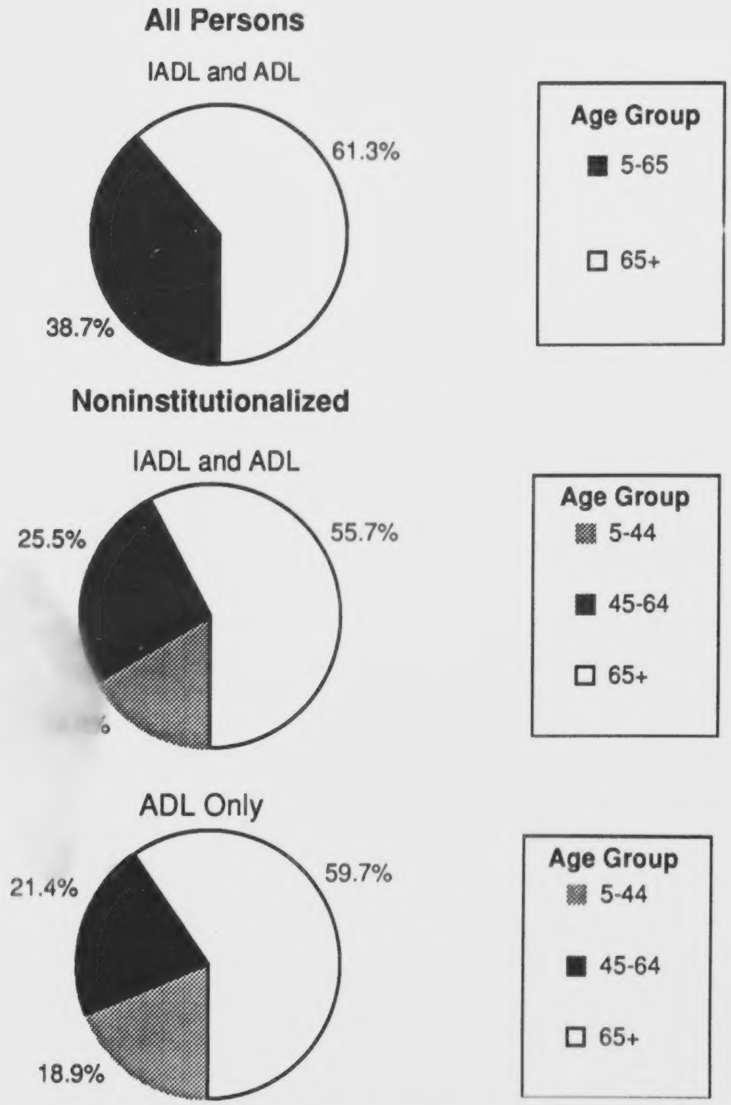

Figure 4: Percent distribution of persons needing help in activities of daily living, by age, United States, 1983-85.

Persons in poverty are more likely than persons above poverty to need assistance in IADL or ADL (8.5 versus 3.1 percent), but again, the differences are much less compared to income differences in work disability.

Educational attainment is strongly inversely related to the need for assistance in IADL and ADL. Of persons with 8 years or less education, 14.2 percent need assistance in IADL or ADL, compared to 1.9 percent of college graduates. Since educational attainment is associated inversely with age, a good part of this relationship may be due to aging. That educational differences in IADL and ADL limitations are less pronounced than educational differences in work disability is also due in part to differences in rates of labor force participation.

Of all marital statuses, widowed persons are most likely to need assistance in IADL or ADL (18.8 percent). The lowest risk is for persons never married (2.7 percent), followed by married persons (3.2 percent). In general, women are about 30 percent more likely than men to need assistance in IADL only, regardless of marital status. Virtually no differences exist in the need for assistance in ADL. Age is of course a very important factor as widowed persons are more likely to be old and single persons to be young.

Estimates of the need for assistance in IADL and ADL due to chronic health conditions are available from a number of recent surveys, including the 1979-80 NHIS Home Care Supplement, the 1984 NHIS Supplement on Aging, and the 1984 Survey of Income and Program Participation. Table B presents estimates from these surveys and from this analysis of the 1983-85 NHIS Core for purposes of comparison.

Differences among these estimates are notable. Estimates of the number of elderly persons needing help in ADL range from 1.5 to 2.5 million and, for those needing help in IADL, from 2.4 to 5.9 million. Considerable variation also exists in estimates for the nonelderly.

Table B. Number of persons and percent of population needing the help of another person in activities of daily living from four surveys by age

		Persons Needing Help in:			
Source	*Age Group*	*IADL*		*ADL*	
		Number in 1,000s and percent of population in age group			
NHIS 1979-80 Home Care Supplement[1]	18-64	1,594	1.2	850	0.6
	65 plus	2,381	10.1	1,478	6.3
NHIS 1984 Supplement on Aging[2]	65 plus	5,868	22.2	2,538	9.6
SIPP 1984[3]	15-64	3,256	2.1	1,050	0.7
	65 plus	4,450	16.8	1,459	5.5
NHIS 1983-85 Core[4]	18-64	3,059	2.1	866	0.6
	65 plus	4,369	16.5	1,507	5.7

[1] IADL data from Feller, 1986. ADL data is computed from public use tapes. IADL includes preparing meals, shopping, managing money,doing routine household chores (not including yardwork). ADL includes walking (except using stairs), going outside, using the toilet (in the bathroom, including getting to the bathroom), bathing, dressing, eating, and getting in and out of bed or chairs. Persons who don't do an ADL or who use equipment are not counted.

[2] Dawson, et al., 1987. Persons who receive help only. IADL includes preparing meals, shopping, managing money, using the phone, doing heavy housework, doing light housework. ADL includes 7 items similar to the above.

[3] U.S. Bureau of the Census, 1986. IADL includes preparing meals, getting around inside or outside the home, doing light housework. ADL based on the question "does...need help from others in looking after personal care needs such as dressing, undressing, eating, or personal hygiene?"

[4] IADL is based on the question does person "need the help of other persons in handling routine needs, such as everyday household chores, doing necessary business, shopping, or getting around for other purposes?" ADL is based on the question does person "need the help of other persons with personal care needs, such as eating, bathing, dressing, or getting around this home?" Persons who need help in ADL are assumed to need help in IADL for comparison to other survey estimates.

The NHIS Home Care Supplement (NHIS-HCS) and the NHIS Supplement on Aging (NHIS-SOA) included 7 comparable ADL items but yield different estimated rates for the elderly population. The NHIS-SOA estimate is for persons who receive help, which should be smaller than those who need help. Yet the rate estimated from the NHIS-SOA is 52 percent higher than that from the NHIS-HCS. Comparison of rates for each of the 7 ADL items indicates that the NHIS-SOA estimates are 36 to 87 percent higher than those from the NHIS-HCS. The NHIS-SOA estimated rate for elderly persons needing help in one or more ADLs is also larger than that from the SIPP or from this analysis of the 1983-85 NHIS Core. However, for all ages, the NHIS-HCS, SIPP, and NHIS Core estimated rates converge.[1] A contextual difference is that in the NHIS-SOA, for each ADL, a question on whether persons have any difficulty precedes one on receiving help. This procedure, which was not followed in the other surveys, may increase respondent sensitivity to questions on need and receipt of help and may account for higher estimates from the NHIS-SOA.

Some of the variation in rates of persons needing help in IADL is due to differences in items included and also to context. The NHIS-SOA estimates include elderly persons who receive help with heavy housework whereas the NHIS-HCS does not. Yet, this item is the single most frequent source of help of all IADL activities among elderly persons -- 19.3 percent of the elderly receive help with heavy household chores (Dawson et al., 1987). However, comparison of rates for 3 other IADL items (meals, shopping, and finances) indicates that the NHIS-SOA rates are 20 to 40 percent higher than those from the NHIS-HCS. As above, for each IADL, a question on difficulty precedes the question on receipt of help in the NHIS-SOA. The SIPP and the

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[1] The NHIS-HCS estimated rate is slightly higher than either SIPP or the NHIS Core rates. This may be due to the single open-ended question approach used in the SIPP and the NHIS Core versus the approach used in the NHIS-HCS of asking each item separately. The latter method would be expected to yield more positive responses. On the other hand, the rate of nonelderly persons needing help in ADL estimated from the NHIS-HCS is similar to the SIPP and the NHIS Core rates. It is perhaps coincidental that the NHIS-Core and SIPP yield rates that are so similar, given differences in question wording. In the Sipp, for example, mobility is not explicitly mentioned but it is in the NHIS Core.

NHIS Core yield very similar estimated rates of the need for help in IADL at all ages. Both exclude heavy housework and estimates for the elderly are therefore smaller than those from the NHIS-SOA. Possibly because both ask about needing help to get around outside the home, estimates based on them are larger than those based on the NHIS-HCS, which excluded this item.[2]

The National Long-Term Care Survey (NLTCS) of 1982 included questions on whether persons had any difficulty performing IADL or ADL and can be compared with the NHIS-SOA. The NLTCS did not include a question about difficulty doing heavy housework in the screener phase of the survey, but this question was included in the interview follow-up. The NLTCS found that about 3.8 million elderly persons had difficulty doing heavy housework (Macken, 1986). However, the NHIS-SOA estimated there are some 6.3 million elderly persons who have difficulty doing heavy housework (Dawson et al., 1987). This one item accounts for much of the difference between these two surveys in the rate of elderly persons estimated to have difficulty performing at least one IADL -- 26.9 percent in the NHIS-SOA versus 19.1 percent in the NLTCS. Estimates for other comparable IADL items are similar between the NLTCS and the NHIS-SOA. Data on difficulty performing ADLs have not been reported from the NLTCS. However, estimated rates of persons who receive help can be compared between the NLTCS and the NHIS-SOA for 5 ADL items. The NLTCS falls between the HIS-HCS and the NHIS-SOA. Estimated rates range from 10 to 46 percent higher in the NHIS-SOA than the NLTCS.

Another important factor is the duration of disability. In the NLTCS, persons were screened on the basis of whether they had an IADL or ADL problem that lasted three months or was expected to last three months. In the NHIS, disability is not required to be of any duration; the disability, however, must be due to a chronic condition -- one that has lasted at least three months or is on a list of conditions always considered chronic, regardless of duration. This is a different and probably less restrictive criterion than that used in the NLTCS, and may account some for the lower estimates from the NLTCS than those from the NHIS-SOA for comparable items.

In conclusion, there is a high degree of convergence in rates of persons needing help in IADL and ADL estimated from the major surveys. Of all the major surveys, the NHIS-SOA provides the highest estimates of persons who have difficulty or who need help in IADL and ADL activities. Discrepancies in survey estimates are largely explained by differences in included items and the context in which questions are asked. Small differences in item wording may also cause variation. In addition, sampling design, survey operations, proxy rules, and imputing for nonresponse are potential factors. Accuracy of survey estimates of the number of persons experiencing difficulty or needing the help of other persons in performing IADL or ADL must be a matter of concern for policy and for survey research methodology. However, rates of persons needing help in IADL or ADL estimated from the 1983-85 NHIS Core questionnaire and presented in this report are very similar to rates estimated from other national surveys.

E. Prevalence of work limitations and need for assistance in activities of daily living

Lack of independence in home management and self-care activities does not automatically mean disability in other important life activities. Some people who need assistance in IADL or ADL nevertheless manage to work. Such limitations may be offset by education and training, previous work history, current job requirements and availability, workplace, household, and environmental accommodations, and the availability and cost of care from other persons. On the other hand, conditions that cause limitations in work may not be so severe as to cause persons to need assistance in IADL or ADL. Table 5 explores the relationship between the ability to work and the ability to manage one's home and care for oneself independent of help from others. The table is restricted to the age range 18-69. Of persons limited in activities other than work, 95.2 percent have no need for assistance in IADL or ADL. Of persons limited in the amount or kind of work they can perform, again, the vast majority (93.4 percent) have no need for assistance in IADL or ADL. However, among those unable to work, the need for assistance in IADL and ADL is more common: 21.0 percent need assistance in IADL only and 9.6 percent need assistance in ADL.

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[2] Despite similar IADL estimates, it is unlikely that the SIPP and the NHIS Core are measuring exactly the same things. In the SIPP, separate questions were asked relevant to the need for help in four IADL items: getting around inside or outside the home; doing light household chores; preparing meals. In the NHIS Core, one question is asked relevant to IADL: whether persons "need the help of another person with routine needs, such as everyday household chores, doing necessary business, shopping, or getting around for other purposes".

Women who are limited in non-work activity are more likely than men to need assistance in IADL or ADL (7.1 percent versus 1.9 percent).

Remarkably few differences occur by age group in the percent of persons needing assistance in IADL or ADL, controlling for degree of work limitation. For persons limited in non-work activity, the fraction needing assistance in IADL increases from 1.2 percent at ages 18-24 to 6.8 percent at ages 65-69. The fraction of persons unable to work who need assistance in ADL is slightly higher in the younger age groups. The same patterns are seen by age group and gender. However, women who are limited in activity other than work are much more likely than men to need assistance in IADL with increasing age.

Table 5 can be viewed another way. Of the 1.1 million persons of working ages who need assistance in ADL, about 12.3 percent state they are able to work in some capacity and 4.0 percent report no work limitation. In the working ages, 2.7 million persons need assistance in IADL only. About 22.5 percent of them are able to work in some capacity while 7.5 percent report no work limitation. Thus, persons who need assistance in IADL and even ADL often avoid being prevented from working and some manage to avoid work limitation entirely.

F. Prevalence of conditions causing activity limitation

In order to be classified as having an activity limitation in the NHIS, a respondent must indicate at least one health condition or impairment as a cause of activity limitation. The condition must have had its onset more than 3 months before the interview period, or be on the list of conditions NCHS considers chronic regardless of onset (Appendix II). If more than one condition is mentioned, the respondent is asked to indicate which is the main cause of the limitation. All others are termed secondary causes.

Conditions causing disability can be tabulated in a number of ways. It is often interesting to tabulate the causes of disability by the main condition responsible, which might be called "main cause" tables. Such tables provide insight as to how conditions considered to be important causes of disability are distributed among persons with disabilities. However, such tables are only partly descriptive of the health problems of persons with multiple disabling conditions. To fully describe all the health problems that cause disability, it is preferable to tabulate secondary conditions that cause limitation together with those that are identified as main causes. Such tables may be termed "all cause" tables.

Tables 6A and 6B present detailed tabulations of conditions causing limitation of activity for several age groups and by gender. Table 6A presents conditions that were selected as the main cause of limitation of activity, while Table 6B presents all the conditions mentioned as causes of disability. Both tables list conditions that cause any limitation in activity, regardless of degree of limitation.

As shown in Table 6A, the causes of activity limitation are quite diverse. However, the five most frequently reported conditions indicated as the main cause of activity limitations are arthritis (12.3 percent of all persons with activity limitations), heart disease (11.5 percent), spinal curvature and other back impairments (7.8 percent), impairments of lower extremities (6.1 percent), and intervertebral disk disorders (4.4 percent).

Together, the five top ranking conditions account for 42.1 percent of all persons with activity limitation. Only 5.3 percent of all main cause conditions are ill-defined or fall into the "all other" category. This last category is composed mainly of conditions too small in prevalence to enumerate separately.

The major causes of activity limitation vary with age. For persons under age 18, the 5 most prevalent causes are mental retardation (18.0 percent), asthma (17.8 percent), mental illness (9.5 percent), deafness and other ear disorders (7.2 percent), and speech impairments (6.3 percent). Mental problems are clearly major causes of activity limitation among children. Among adults 18-44 years of age, the top five conditions are spinal curvature and other back impairments (15.1 percent), impairments of lower extremities (9.9 percent), intervertebral disk disorders (7.5 percent), asthma (5.6 percent), and arthritis (5.5 percent). Among young adults, orthopedic impairments predominate.

At the older ages, degenerative diseases predominate. At ages 45-69, arthritis ranks first (15.7 percent), tied with heart disease (15.7 percent), then spinal curvature and other back impairments (7.2 percent), hypertension (5.9 percent), and intervertebral disk disorders (5.0 percent). After age 69, the role of orthopedic impairments diminishes. At ages 70-84, arthritis ranks first (19.3 percent), followed by heart disease (17.3 percent), blindness and all other visual impairments and eye disorders (7.3 percent), impairments of lower extremities (5.0 percent), cerebrovascular disease (4.7 percent). Last, for persons 85 and over, arthritis again ranks first (18.6 percent), followed by senility (15.1 percent), heart disease (12.5 percent), blindness and all other visual impairments and eye disorders (13.9 percent), and cerebrovascular disease (4.5 percent).

Differences by gender in the main conditions causing limitation also occur. The five main causes of limitation for men of all ages are heart disease (13.0 percent), spinal curvature and other back impairments (7.7 percent), arthritis (7.6 percent), impairments of lower extremities (6.8 percent), and intervertebral disk disorders (4.9 percent). For women of all ages, the main causes are arthritis (16.3 percent), heart disease (10.2 percent),spinal curvature and other back impairments (7.9 percent), impairments of lower extremities (5.4 percent), and hypertension (4.8 percent).

Differences in the types and rankings of the main conditions causing limitation in activity between men and women occur across the ages, but there are strong similarities as well. There are some differences between men and women under 18 years of age in the top five conditions reported as the main cause of activity limitation. The major differences are that mental illness is reported less frequently as a main cause for females compared to males (5.7 versus 11.9 percent, respectively), and that females are more likely to have a limitation caused by an impairment of the lower extremities (6.3 versus 3.9 percent, respectively).

At ages 18-44, the top five main causes are similar for men and women. They include spinal curvature and other back impairments, impairments of lower extremities, intervertebral disk disorders, asthma, and arthritis. Of persons aged 18-44, women are slightly more likely than men to report spinal curvature and other back impairments (16.0 versus 14.2 percent), but are less likely to report impairments of lower extremities (7.4 versus 12.4 percent).

More dramatic differences emerge at the middle and older ages. At ages 45-69, among men, the top five conditions given as the main cause of limitation are heart disease (20.1 percent), arthritis (10.5 percent), spinal curvature and other back impairments (7.5 percent), intervertebral disk disorders (5.5 percent), and impairments of lower extremities (5.0 percent). Among women aged 45-69, arthritis (20.1 percent), heart disease (11.8 percent), hypertension (7.4 percent), spinal curvature and other back impairments (7.2 percent), and intervertebral disk disorders (4.7 percent) top the list. Note that hypertension is not ranked in the top five conditions for men.

At ages 70-84, the main causes of activity limitation for women are arthritis (24.3 percent), heart disease (15.9 percent), blindness and other eye disorders (7.6 percent), impairments of lower extremities (5.6 percent), and hypertension (3.9 percent). Among men, they are heart disease (19.7 percent), arthritis (11.4 percent), blindness and all other visual impairments and eye disorders and emphysema (tied at 6.9 percent), and cerebrovascular disease (6.5 percent). Thus, emphysema and cerebrovascular disease are more common among older men than among women with activity limitations.

Finally, among women aged 85 and over, arthritis (21.4 percent), senility (15.1 percent), blindness and all other visual impairments and eye disorders (13.6 percent), heart disease (12.5 percent), and impairments of lower extremities (7.8 percent) are most frequently given as the main causes of activity limitation. Among men aged 85 and over, senility (15.1 percent), blindness and all other visual impairments and eye disorders (14.9 percent), heart disease (12.5 percent), arthritis (11.9 percent), and cerebrovascular disease (5.5 percent) top the list. At all ages, heart disease always ranks higher than arthritis as a main cause of limitation among men, but among women, they are reversed.

Table 6B presents all conditions reported as causes of activity limitation. This table includes, in addition to main cause conditions, those that are related to disability, but are mentioned as secondary causes of disability. The total line in Table 6B gives the total number of conditions reported as causes of activity limitation. In Table 6A, the total line is equal to the number of persons with activity limitation, since only one cause is presented for each person. The totals from Tables 6A and 6B can be used to obtain the mean number of conditions per persons with activity limitation. On the average, persons with activity limitations report 1.62 conditions. The mean number of conditions reported increases with age, from 1.20 for persons under 18 years, to 1.30 at ages 18-44, 1.77 at ages 45-69, 1.91 at ages 70-84, and then a slight decrease to 1.86 at ages 85 and over. This decrease is due mainly to higher rates of mortality and institutionalization of the oldest-old with multiple disabling conditions. Women report slightly more disabling conditions than men (1.68 versus 1.55 conditions, respectively).

The top five conditions, whether main or secondary, are similar to those given as the main cause of limitation. Hypertension, however, which did not rank in the top five conditions as the main cause of activity limitation, enters third when all causes are considered. Arthritis (11.6 percent), heart disease (10.6 percent), hypertension (6.6 percent), spinal curvature and other back impairments (5.9 percent), and blindness and all other visual impairments and eye disorders (5.6 percent) are the most frequently reported of all causes of activity limitation. Among the leading causes of activity limitation, hypertension is much more likely to be mentioned as a secondary cause than as a main cause, and this is more the case for women than for men.

G. Prevalence of chronic conditions causing work limitation

In Table 7A, estimates are presented of the prevalence of chronic conditions reported as the main cause of work limitation for all persons aged 18-69, further broken down by two age groups, and by gender. The categories "limited in the amount or kind of work" and "unable to work" are combined. The table is useful for examining differences in the distribution of work disabling conditions by age and gender.

Heart disease ranks first as the most frequent cause of work disability (12.2 percent), followed by arthritis (11.6 percent), spinal curvature and other back impairments (9.8 percent), intervertebral disk disorders (6.1 percent), and impairments of lower extremities (5.1 percent). These conditions were also shown to be the five most prevalent causes of activity limitation at all ages.

Minor differences in the ranking of conditions between those causing any activity limitation and those causing work limitation can be seen. In the 18-44 age group, the top conditions are similar, except that asthma ranks fourth as a cause of activity limitation but does not rank in the top five conditions causing work limitation. On the other hand, mental illness which ranks fifth as a cause of work limitation is not ranked in the top five as a cause of activity limitation. The five most prevalent causes of activity limitation and work limitation are identical for the 45-69 age group. Gender differences in the distribution of conditions causing work disability parallel those for activity limitation and are not discussed further.

Table 7B gives estimates of the number of main and secondary causes of work disability combined. No difference in the mean number of conditions reported for persons with work disability compared to persons with activity limitations appears. At ages 18-44, persons with work limitations report on average 1.33 conditions while persons with activity limitations report 1.30 conditions. At ages 45-69, persons with activity limitations report on average 1.77 conditions, while those with work limitations report 1.78.

For work limitation, as seen earlier for activity limitation, the rankings of all cause conditions are similar to those for main cause conditions only. The exception is hypertension, which is not ranked in the top five main causes of work limitation, but ranks third for all causes. Thus, hypertension appears relatively more frequently as a secondary rather than as a main cause of work disability.

It is apparent from Tables 6A-7B that no striking differences emerge in the distribution of conditions among persons with activity limitation compared with persons who report work limitation. Thus, even though activity limitation and work limitation are different indicators of disability and the numbers of persons with them vary, they do not differ significantly in terms of the conditions that cause them.

H. Prevalence of conditions causing need for assistance in activities of daily living

Estimates of the prevalence of chronic conditions reported as the main causes of need for assistance in activities of daily living (IADL ADL combined) are presented in Table 8A, by age and gender. Since these limitations are not defined for ages under 5, the table is restricted to persons aged 5 and older.

Arthritis is the most frequent cause of people needing assistance in IADL or ADL. Of all persons with such needs, 14.9 percent report arthritis as the main cause. Heart disease follows at 11.5 percent, then blindness and all other visual impairments and eye disorders (7.6 percent), cerebrovascular disease (5.3 percent), and impairments of lower extremities (4.4 percent).

Arthritis and heart disease are the most important causes of need for assistance in IADL or ADL whether for persons below 70 years of age or 70 years and older. Among those aged 5-69, after arthritis (11.9 percent) and heart disease (9.3 percent), mental retardation is next highest (7.6 percent), followed by spinal curvature and other back impairments (5.8 percent). Blindness and all other visual impairments and eye disorders are tied with intervertebral disk disorders for fifth rank at 5.0 percent. At ages 70 and over, after arthritis (18.1 percent) and heart disease (13.8 percent), come blindness and all other visual impairments and eye disorders (10.5 percent), senility (7.2 percent), and cerebrovascular disease (6.9 percent).

It was concluded earlier that the causes of activity limitation and work disability were similar. There are also similarities between the causes of need for assistance in IADL or ADL and activity limitation. Mental retardation is an important cause of need for assistance in IADL or ADL for persons aged 5-69. It was also found that mental retardation was the primary cause of activity limitation for persons under 18 years old. Similarly, the important causes of personal assistance needs among those 70 and over can be found in the causes of activity limitation.

Analysis of the percent distribution of conditions causing needs for assistance in IADL or ADL by gender and age also indicates some similarity with earlier findings on activity limitation. Among men aged 5-69, mental retardation is ranked first (10.5 percent), followed by heart disease (9.8 percent), blindness and other eye disorders (6.0 percent), arthritis (6.4 percent), and cerebrovascular disease (5.1 percent). For women aged 5-69, arthritis is the leading cause (15.8 percent), trailed by heart disease (8.8 percent), spinal curvature and other back impairments (6.8 percent), and mental retardation and intervertebral disk disorders (tied at 5.5 percent). The greater likelihood of mental retardation as a cause of activity limitation among men was noted earlier. Among women aged 70 and above, arthritis ranks first (21.9 percent), then comes heart disease (14.0 percent), blindness and other eye disorders (9.7 percent), senility (7.2 percent), and impairments of lower extremities (6.0 percent). For men aged 70 and over, the most prevalent causes are heart disease (13.5 percent), blindness and other eye disorders (12.3 percent), cerebrovascular disease (10.4 percent), arthritis (9.2 percent), and senility (7.2 percent).

Table 8B provides estimates of the number of both main and secondary conditions reported as causes of need for assistance in IADL or ADL. The mean number of conditions reported for persons aged 5-69 is 1.56, which is no different from the mean number of conditions causing activity limitation for persons under 70. Among persons 70 years and over with assistance needs in IADL or ADL, the mean number of conditions reported is 2.16, which is higher than the mean number of conditions (1.90) reported for persons 70 years and older with any activity limitation, indicating a greater likelihood of multiple health conditions among the elderly with personal assistance needs as compared to those with other activity limitations.

When all causes are considered, the top five conditions are somewhat different from the top five ranking conditions that are the main causes of need for personal assistance in IADL or ADL. Hypertension emerges as the fourth highest ranking condition when all causes are considered (5.0 percent), but does not rank in the top five main causes. Arthritis, heart disease, and blindness and other eye conditions still rank highest (13.0, 11.1, and 8.9 percent, respectively). Hypertension is 4.2 times more likely to be mentioned as a secondary cause than as a main cause, which indicates how frequently this condition is a complicating factor in disability. Cerebrovascular disease, which ranks fourth as a main cause, ranks fifth (4.2 percent) when all causes are considered.

I. Prevalence of school limitation

Estimates of the number of children who are limited in school attendance (limited in the amount or kind of major activity) or unable to attend school (unable to perform major activity) are given in Table 2. In Table 9, the category of limitation in school attendance is expanded to identify children who attend special schools or classes, need special schools or classes but do not attend them, and children who neither need nor attend special schools or classes but are otherwise limited in school attendance. Since parents report for their children, responses are based on parents' understanding of their children's needs.

Of all children aged 5-17, 2.6 percent, or 1.2 million children, attend special schools or classes, while 0.3 percent need special schools or classes but do not attend them, and 1.1 percent are limited in school attendance but neither need nor attend special schools or classes. Of all children limited in school attendance (excluding those who cannot attend school at all), 65 percent attend special schools or classes. Of those children whose parents are aware that they need special schools or classes, 89 percent attend them.

Male children are more likely to attend special schools or classes than female children (3.4 versus 1.8 percent), and are more likely than female children to need special schools or classes if they do not attend them (0.5 versus 0.2 percent).

Due to high sampling variability, estimates are not dependable for racial and ethnic groups other than white non-Hispanic and black non-Hispanic persons. Black male children are more than twice as likely as black female children to attend special schools or classes (4.1 versus 1.9 percent), and white non-Hispanic males are about 1.8 times more likely to attend special schools or classes than are females (3.4 versus 1.9 percent, respectively).

Poor children are more likely to attend special schools or classes than children in families above the poverty line (4.1 versus 2.4 percent, respectively). Poor children are also more likely than children in non-poor families to need special schools or classes if they do not attend them, and are more likely to be otherwise limited in school attendance. Regardless of poverty status, male children are more likely than female children to attend special schools or classes.

J. Prevalence of multiple chronic checklist conditions

Tables 10-13 present information on multiple chronic conditions. Table 10 is based on information from the six checklists and includes groups of conditions only for those conditions that appear on the same checklist. The table is especially useful for examining the prevalence of multiple impairments and circulatory conditions. Tables 11-13 present information on multiple conditions causing limitation in activity, limitation in work, and need for assistance in IADL or ADL. These tables are not based on the chronic condition checklists and combinations of condition groups are not constrained as in Table 10.

The distribution of the number of conditions varies by type of condition (Figure 5). Persons who need assistance in performing activities of daily living (IADL or ADL) are much more likely than persons with limitations in work or other activity to have multiple chronic conditions. Multiple checklist conditions occur less frequently than multiple disabling conditions because of the restriction that other conditions must appear on the same checklist. Also, because multiple conditions are correlated with the severity of disability, and many conditions reported from the checklists do not result in disability, one would expect multiple checklist conditions would be reported less frequently than multiple conditions causing disability.

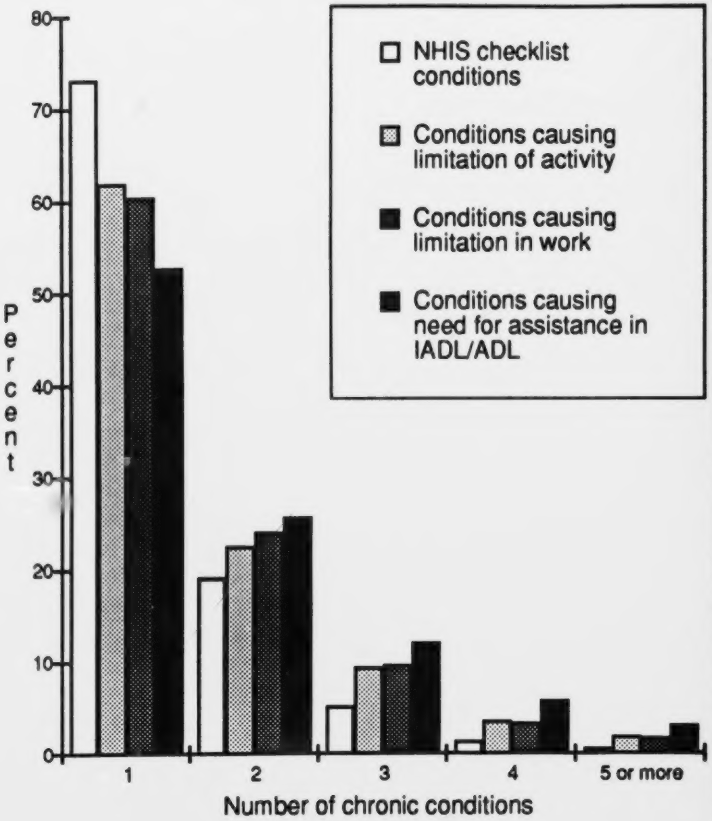

Figure 5. Distribution of the number of chronic conditions reported, by type of condition, U.S. National Health Interview Survey, 1983-85 (three-year average).

Examining the distribution of the number of checklist conditions indicated it was feasible to tabulate up to three-way groupings of conditions. Persons with three or fewer conditions comprise

97.8 percent of all persons with conditions. When more than three conditions are reported, only those for which a physician was seen most recently are used. This decision was made for ease of programming and resulted in a loss of only 2.5 percent of all conditions reported.

Combinations of up to three conditions are presented in Table 10. Ordering of conditions was ignored. In forming groups, conditions were sorted in the order that they are listed in the first column. Only conditions that appear below a given condition in the first column can appear as a second or third condition. All other combinations appear earlier in the table. Also, only condition groups with acceptably high statistical precision are listed in the table (i.e., 30 percent or less relative standard error). All others were recoded into residual categories. In the case of three-way combinations with low prevalence, the conditions were split into three two-way groupings with the third condition coded as residual. As a result, condition totals will not sum to those shown for conditions in Table 1.

Even within a checklist, multiple conditions are reported often. About 27 percent of all persons who report a condition report more than one; 7.4 percent report three or more. In some cases, people have more than one condition coded to the same group. For example, 484,000 persons have two conditions classifiable to osteoarthritis. The ICD classification system allows conditions to be coded to body site affected. This permits a condition to appear more than once if it affects different body sites. Also, even within apparently narrow condition classes a person may report separately classifiable conditions. In the case of the 189,000 persons with two ischemic heart conditions, a person may have reported both heart failure and coronary atherosclerosis.

ICDA coding rules result in some conditions that are coded on tape as single conditions but actually have been combined with others. For example, a few coronary atherosclerotic conditions are actually heart disease caused by coronary atherosclerosis. The recodes used do not identify such combined conditions.

Although they are few in number, some conditions that appear as single conditions in Table 10 may have been combined with other conditions.

The following discussion of Table 10 is limited to the five most prevalent conditions as determined earlier from Table 1. The number of conditions reported alone in Table 10 can be compared with the total prevalence of the condition given earlier in Table 1. Of the 31,163,000 persons with sinusitis, 70 percent, or 21,705,000 persons, have no other respiratory conditions. The most common condition reported with sinusitis is hay fever.

Arthritis is often associated with other skin and musculoskeletal conditions. Of all persons with rheumatoid arthritis, 47.3 percent report other skin and musculoskeletal conditions; of persons with osteoarthritis and other arthropathies, the percent is 41.8. Psoriasis and dermatitis are commonly associated conditions.

Of persons with hypertension, 37.9 percent report other circulatory conditions. Hypertension is most often associated with ischemic heart disease (2.6 million persons or 11.1 per 1,000 total population), followed by phlebitis and varicose veins (2.0 million persons or 8.5 per 1,000), and heart rhythm disorders (1.9 million persons or 8.1 per 1,000). Note that these numbers were produced by summing all combinations that include any mention of hypertension with the above conditions.

The role of hypertension as a risk factor in other circulatory diseases is confirmed. The 2.5 million persons with ischemic heart disease and hypertension comprise 36.9 percent of all persons with ischemic heart disease. Of all persons with arteriosclerosis, 45.0 percent report hypertension. For persons with cerebrovascular disease, the percent with hypertension climbs to 50.6. Circulatory conditions with which hypertension is least frequently reported are heart rhythm disorders (25.2 percent) and phlebitis and varicose veins (25.8 percent).

Hearing impairments occur frequently with other impairments. Of persons with deafness in both ears, 55.4 percent report other impairments, while 38.6 percent of persons with hearing impairments other than deafness report other impairments. Heart rhythm disorders and ischemic heart disease are the most prevalent conditions grouped under heart disease. They occur frequently with other circulatory conditions: 52.2 percent of all heart rhythm disorders and 79.7 percent of all ischemic heart disease are reported with other circulatory conditions. The combination of ischemic heart disease, hypertension, and arteriosclerosis was the highest reported of all three way combinations: an estimated 373,000 persons have these three conditions.

Of all the impairments, speech impairments are the most likely to be mentioned with other impairments. Of persons with speech impairments, 75.0 percent have other impairments. The most frequently associated conditions are mental retardation and hearing impairments. Serious visual impairments and paralytic impairments are often associated with other impairments. Of persons blind in both eyes, about 73.0 percent report other impairments. They are followed by persons with complete paralysis of the extremities (71.4 percent), glaucoma (70.4 percent), and partial paralysis of extremities (64.7 percent). Although blindness and complete and partial paralysis are associated often with other impairments, no particular impairments could be identified with them because of their low prevalence. Cataracts are most frequently reported with glaucoma (24.0 percent of persons with glaucoma also have cataracts).

Finally, of all the impairments, curvature of the back or spine is least likely to be reported with other impairments. Still, 36.2 percent of persons with this condition report other impairments, which is higher than the average (about 27 percent) for all checklist conditions.

K. Prevalence of multiple conditions causing activity limitation

Tables 11-13 are designed not only to provide data on the prevalence of various groupings of conditions causing disability, but also to show the impact of additional conditions on the severity of disability. In forming condition groups, ordering is important in that the distinction given to the main cause of limitation is retained. Conditions are tabulated first by main and then by secondary causes to form two-way groupings. If a person reported three conditions, they formed two combinations, each with the main cause and one of the secondary causes. Thus, the total of all conditions is larger than the number of persons with a given type of disability. For persons reporting more than three conditions, only the two secondary conditions for which a physician was seen most recently were used.

In order to limit to a reasonable number the condition groups formed, the list used in previous tables was collapsed into 16 categories. These are listed in Appendix Table II-C. Even with this restriction, many more condition groups would be identified than could be reported conveniently. Therefore, for all condition groups with a prevalence of 25,000 or less, the secondary condition was recoded to the "all other" category.

Table 11 shows the prevalence of two-way groupings of conditions that cause activity limitation and the percent distribution by degree of activity limitation. The five most prevalent groupings of conditions are multiple eye and/or ear impairments (481,000), arthritis and hypertension (469,000), heart disease and hypertension (458,000), heart disease and arthritis (384,000), and heart disease and diabetes (313,000).

In some cases the estimates have low precision when broken down by degree of limitation. When this occurs, estimates can often be summed to obtain a significant estimate for persons with major activity limitations. For example, of the 33,000 persons who report arthritis as the main cause and mental illness as a secondary cause of their limitation, 14,000 report being limited in the amount of kind of activity they can perform and 13,000 report being unable to perform their major activity. Both estimates have low precision. However, the combined estimate of 27,000 has a high degree of precision (the relative standard error is less than 30 percent).

As would be expected, the likelihood that a person would be unable to perform her or his major activity increased in the presence of other conditions. For all conditions, the percent of persons unable to perform their major activity increases substantially when a secondary condition is present. Condition groups identified as the most severely disabling are cerebrovascular disease and diabetes (74.5 percent), absence or paralysis of extremities and diabetes (69.5 percent), mental disorders and arthritis (67.8 percent), absence or paralysis of extremities with heart disease (65.7 percent), and with hypertension (65.4 percent).

We can also compare conditions in terms of how likely they are to cause severe activity limitations by themselves. Cerebrovascular disease is the most likely condition occurring alone to cause inability to perform major activity (49.0 percent), followed by cancer (44.9 percent), mental illness (38.0 percent), emphysema (31.0 percent) and absence or paralysis of extremities (also 31.0 percent).

Another question that can be explored concerns the identification of a condition as the main cause when more than one condition is reported. One might expect, in general, that conditions with the highest likelihood of causing disability would be selected most often as the main cause for persons who report more than one condition. Cerebrovascular disease is the most disabling of the 16 condition groups tabulated. Of persons who report cerebrovascular disease as the only cause of limitation of activity, 48.9 percent are unable to perform their major activity. Heart disease, however, is less disabling than cerebrovascular disease. Of persons reporting heart disease alone, 24.4 percent are unable to perform their major activity. One would therefore expect persons who report both cerebrovascular and heart disease to be more likely to select cerebrovascular disease over heart disease as the main cause of their disability. Of the 146,000 persons who reported both diseases, 61.6 percent selected cerebrovascular disease as the main cause.

Is there any difference in the likelihood of being unable to perform one's major activity depending on which of these conditions is selected as the main cause? Persons who report heart disease as the main cause and cerebrovascular disease as the secondary cause may have less severe cerebrovascular problems. Table 11 shows, however, that it does not matter which condition is selected: in both cases, about 61 percent of persons reporting both conditions are unable to perform their major activity.

In fact, for the top five prevalent condition groups reported (except for the most prevalent group which is multiple eye and/or ear impairments), the same point can be observed. In general, people report conditions that are more severely disabling as the main cause of their disability when more than one condition is present, but the degree of limitation reported does not appear to depend on which condition is selected as the main cause of disability.

L. Prevalence of multiple conditions causing work disability

Table 12 shows estimates of the prevalence of two-way combinations of conditions causing work disability and limitation in activity other than work among persons aged 18-69 years. Persons with limitations in activity other than work are included, primarily so that combinations of conditions can be compared in terms of how likely they result in work disability given some activity limitation.

The five most prevalent condition groups as causes of any limitation in the working age population are heart disease and hypertension (302,000), arthritis and hypertension (277,000), heart disease and diabetes (213,000), heart disease and arthritis (207,000), and multiple eye and/or ear impairments (202,000).

The list is the same for the condition groups that are reported as causes of work disability (either limitations in the kind or amount of work or inability to work); although the ranking changes slightly. Heart disease and hypertension lead (274,000), followed by arthritis and hypertension (241,000), heart disease and diabetes (197,000), heart disease and arthritis (189,000), and multiple eye and/or ear impairments (156,000).

For every condition, the addition of a secondary condition increases markedly the risk that a person will be unable to work. The condition groups that are most disabling in terms of work are heart disease and emphysema (91.1 percent), cerebrovascular disease and heart disease (88.8 percent), heart disease and cerebrovascular disease (88.8 percent), eye or ear impairments and heart disease (88.0 percent), and absence or paralysis of extremities and cerebrovascular disease (85.2 percent).

Conditions can also be compared on the basis of how likely they result in work disability by themselves, that is, when no secondary conditions are present. The condition most likely to cause work inability by itself is mental illness -- 76.1 percent of persons with any limitation of activity caused by mental illness are unable to work. Cerebrovascular disease follows (67.3 percent), then mental retardation (65.9 percent), cancer (59.8 percent), and emphysema (48.3 percent).

M. Prevalence of multiple conditions causing need for assistance in activities of daily living

Estimates of the prevalence of two-way combinations of conditions causing need for assistance in IADL or ADL are shown in Table 13. As in Table 12, persons with limitations in other activities are included in the table so that combinations of conditions can be compared in terms of how frequently they result in IADL or ADL limitations given at least some activity limitation.

As persons with limitations in other activities are included, the only difference between Table 13 and Table 11 is that the base in Table 13 is restricted to persons 5 years of age and older, since personal care limitation is not applicable to children under 5 years old. The 5 most prevalent combinations of conditions as causes of all activity limitation are identical to those discussed for Table 11.

Multiple eye and/or ear impairments are the most frequently reported combination of conditions causing need for assistance in IADL or ADL (214,000), followed by cerebrovascular disease and absence or paralysis of extremities (138,000), heart disease and arthritis (137,000), then arthritis and heart disease (116,000), and arthritis and hypertension (108,000). This list is different from the combinations most frequently reported as causing work disability. In particular, multiple eye and/or ear impairments were ranked fifth in terms of work disability and are ranked first in terms of personal care limitation. Also cerebrovascular disease combined with absence or paralysis of extremities rank second as causes of IADL or ADL limitation but do not rank in the top five combinations of conditions as causes of work disability.

The conditions occurring alone that are most likely to cause need for assistance in ADL are cerebrovascular disease (35.6 percent), absence or paralysis of extremities (21.9 percent), nervous disorders (16.8 percent), cancer of all sites (16.0 percent), and mental retardation (13.1 percent). This list is different from the list of conditions occurring alone that are the major causes of inability to work. Mental illness is the condition most likely to cause inability to work by itself, but is not among the top five conditions occurring alone that cause IADL or ADL limitations.

Condition groups most likely to result in assistance needs in ADL are cerebrovascular disease and diabetes (54.6 percent), absence or paralysis of extremities and cerebrovascular disease (39.9 percent), and absence or paralysis of extremities and diabetes, cerebrovascular disease and absence or paralysis of extremities, and cerebrovascular disease and heart disease, all tied at 39.7 percent. Clearly, the major risks of IADL or ADL limitation among persons with some degree of disability are cerebrovascular disease and loss of function in the extremities.

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TABLE 1: PREVALENCE OF SELECTED IMPAIRMENTS AND CHRONIC CONDITIONS, BY GENDER AND AGE: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, 1983-1985 (THREE-YEAR AVERAGE)

Chronic Condition	*All Persons*		*Males*		*Females*	
Skin and musculoskeletal	*Number of conditions in thousands and rate per 1,000 persons*					
Rheumatoid arthritis	1,287	5.6	331	3.0	956	8.0
Osteoarthritis/other arthropathies	29,033	125.4	10,315	92.3	18,717	156.3
Intervertebral disk disorders	3,927	17.0	2,109	18.9	1,818	15.2
Osteomyelitis/bone disorders	2,973	12.8	1,077	9.6	1,896	15.8
Bursitis	4,684	20.2	1,869	16.7	2,815	23.5
Psoriasis and dermatitis	11,146	48.1	4,464	39.9	6,682	55.8
Skin cancer	1,287	5.6	796	7.1	490	4.1
Other selected skin and musculoskeletal	27,266	117.8	11,224	100.4	16,042	134.0
Impairments						
Absence of arm(s)/hand(s)	97	0.4	89	0.8	*8	*0.1
Absence of leg(s)	268	1.2	202	1.8	*66	*0.6
Absence of fingers, toes, feet	1,831	7.9	1,469	13.1	362	3.0
Other absence, NEC	1,058	4.6	443	4.0	615	5.1
Complete paralysis of extremities	650	2.8	370	3.3	280	2.3
Cerebral palsy	262	1.1	176	1.6	86	0.7
Partial paralysis of extremities	541	2.3	273	2.4	268	2.2
Paralysis of other sites	224	1.0	106	1.0	118	1.0
Curvature of back or spine	4,561	19.7	1,354	12.1	3,208	26.8
Other impairment of back	9,447	40.8	4,398	39.3	5,049	42.2
Impairment of upper extremities	3,109	13.4	1,764	15.8	1,345	11.2
Impairment of lower extremities	10,459	45.2	5,344	47.8	5,115	42.7
Other orthopedic impairment	322	1.4	160	1.4	162	1.4
Speech impairment	2,360	10.2	1,536	13.7	825	6.9
Blind in both eyes	381	1.6	214	1.9	168	1.4
Cataracts	5,221	22.5	1,665	14.9	3,555	29.7
Glaucoma	1,709	7.4	724	6.5	985	8.2
Other visual impairment/retinal disorders	8,554	36.9	5,041	45.1	3,514	29.4
Deaf in both ears	1,741	7.5	989	8.8	752	6.3
Other hearing impairment	19,288	83.3	10,854	97.1	8,434	70.4
Digestive						
Ulcers	4,461	19.3	2,104	18.8	2,357	19.7
Abdominal hernia	4,913	21.2	2,469	22.1	2,443	20.4
Enteritis and colitis	2,391	10.3	770	6.9	1,621	13.5
Cancer of digestive sites	249	1.1	105	0.9	145	1.2
Other selected digestive disorders	20,076	86.7	7,248	64.8	12,829	107.1

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 1: PREVALENCE OF SELECTED IMPAIRMENTS AND CHRONIC CONDITIONS, BY GENDER AND AGE: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, 1983-1985 (THREE-YEAR AVERAGE)--CONTINUED

Chronic Condition	*All Persons*		*Males*		*Females*	
Circulatory	*Number of conditions in thousands and rate per 1,000 persons*					
Rheumatic fever	1,494	6.5	575	5.1	919	7.7
Ischemic heart disease	6,964	30.1	3,941	35.2	3,024	25.3
Heart rhythm disorders	7,498	32.4	2,810	25.1	4,689	39.2
Other heart disease	4,798	20.7	2,134	19.1	2,663	22.2
Hypertension	28,595	123.5	12,152	108.7	16,443	137.3
Cerebrovascular disease	2,532	10.9	1,306	11.7	1,226	10.2
Arteriosclerosis	3,127	13.5	1,567	14.0	1,560	13.0
Phlebitis, varicose veins	7,983	34.5	1,682	15.0	6,302	52.6
Other selected circulatory	11,728	50.7	5,220	46.7	6,508	54.3
Respiratory						
Chronic bronchitis	11,136	48.1	4,384	39.2	6,752	56.4
Asthma	8,596	37.1	3,868	34.6	4,727	39.5
Hay fever	20,008	86.4	9,187	82.2	10,821	90.4
Sinusitis	31,163	134.6	13,061	116.8	18,102	151.2
Emphysema	2,099	9.1	1,465	13.1	634	5.3
Tuberculosis	112	0.5	*61	*0.5	*51	*0.4
Lung or bronchial cancer	223	1.0	127	1.1	96	0.8
Other selected respiratory	8,999	38.9	3,894	34.8	5,105	42.6
Miscellaneous						
Diabetes	5,933	25.6	2,496	22.3	3,437	28.7
Anemias	3,483	15.0	539	4.8	2,943	24.6
Kidney disorders	3,423	14.8	1,148	10.3	2,274	19.0
Female genital disorders	6,246	26.8	na	na	6,247	52.2
Mental retardation	1,086	4.7	706	6.3	380	3.2
Epilepsy	1,043	4.5	551	4.9	491	4.1
Multiple sclerosis	151	0.7	*42	*0.4	109	0.9
Migraine headache	7,740	33.4	2,008	18.0	5,731	47.9
Cancer of female breast	451	1.9	na	na	451	3.8
Cancer of genitourinary sites	281	1.2	95	0.9	185	1.5

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 1: PREVALENCE OF SELECTED IMPAIRMENTS AND CHRONIC CONDITIONS, BY GENDER AND AGE: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, 1983-1985 (THREE-YEAR AVERAGE)–CONTINUED

Chronic Condition	*Under 45*		*45-69*		*70-84*		*85+*	
Skin and musculoskeletal	*Number of conditions in thousands and rate per 1,000 persons*							
Rheumatoid arthritis	295	1.8	767	14.3	193	12.5	*33	*17.1
Osteoarthritis/other arthropathies	4,993	31.1	15,722	294.1	7,374	478.9	944	491.2
Intervertebral disk disorders	1,503	9.3	2,022	37.8	371	24.1	*31	*16.3
Osteomyelitis/bone disorders	1,050	6.5	1,365	25.5	502	32.6	*56	*29.1
Bursitis	1,529	9.5	2,541	47.5	573	37.2	*41	*21.4
Psoriasis and dermatitis	7,631	47.5	2,772	51.9	648	42.1	95	49.3
Skin cancer	167	1.0	720	13.5	336	21.8	*64	33.3
Other selected skin and musculoskeletal	14,028	87.3	9,019	168.7	3,661	237.8	557	290.0
Impairments								
Absence of arm(s)/hand(s)	*18	*0.1	*56	*1.0	*23	*1.5	.	.
Absence of leg(s)	*62	*0.4	138	2.6	*45	*2.9	*24	*12.2
Absence of fingers, toes, feet	707	4.4	791	14.8	318	20.6	*15	*7.6
Other absence, NEC	352	2.2	440	8.2	250	16.2	*16	*8.1
Complete paralysis of extremities	138	0.9	310	5.8	169	11.0	*35	*18.2
Cerebral palsy	231	1.4	*25	*0.5	*6	*0.4	.	.
Partial paralysis of extremities	101	0.6	197	3.7	208	13.5	*35	*18.2
Paralysis of other sites	84	0.5	95	1.8	*45	*2.9	.	.
Curvature of back or spine	2,712	16.9	1,306	24.4	474	30.8	*69	36.0
Other impairment of back	4,966	30.9	3,532	66.1	845	54.9	104	54.0
Impairment of upper extremities	1,438	8.9	1,145	21.4	463	30.1	*62	32.5
Impairment of lower extremities	5,752	35.8	3,374	63.1	1,117	72.6	216	112.6
Other orthopedic impairment	160	1.0	121	2.3	*34	*2.2	*7	*3.5
Speech impairment	1,697	10.6	485	9.1	165	10.7	*13	*6.8
Blind in both eyes	89	0.6	113	2.1	91	5.9	87	45.4
Cataracts	289	1.8	1,600	29.9	2,706	175.8	625	325.1
Glaucoma	209	1.3	706	13.2	674	43.8	119	62.0
Other visual impairment/retinal disorders	3,635	22.6	2,805	52.5	1,733	112.6	381	198.3
Deaf in both ears	318	2.0	667	12.5	551	35.8	205	106.6
Other hearing impairment	5,988	37.2	8,274	154.8	4,302	279.4	725	377.4
Digestive								
Ulcers	2,003	12.5	1,918	35.9	498	32.3	*42	*22.0
Abdominal hernia	1,173	7.3	2,498	46.7	1,115	72.4	126	65.8
Enteritis and colitis	1,234	7.7	846	15.8	270	17.5	*41	*21.6
Cancer of digestive sites	*8	*0.1	136	2.5	94	6.1	*12	*6.2
Other selected digestive disorders	8,024	49.9	7,670	143.5	3,818	248.0	564	293.6

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 1: PREVALENCE OF SELECTED IMPAIRMENTS AND CHRONIC CONDITIONS, BY GENDER AND AGE: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, 1983-1985 (THREE-YEAR AVERAGE)--CONTINUED

Chronic Condition	*Under 45*		*45-69*		*70-84*		*85+*	
Circulatory	*Number of conditions in thousands and rate per 1,000 persons*							
Rheumatic fever	608	3.8	687	12.9	180	11.7	*18	*9.2
Ischemic heart disease	300	1.9	4,113	76.9	2,266	147.2	285	148.1
Heart rhythm disorders	3,601	22.4	2,414	45.1	1,263	82.0	221	114.9
Other heart disease	1,127	7.0	2,032	38.0	1,365	88.6	274	142.6
Hypertension	6,208	38.6	15,336	286.9	6,337	411.6	714	371.7
Cerebrovascular disease	214	1.3	1,123	21.0	992	64.4	203	105.5
Arteriosclerosis	*41	*0.3	1,374	25.7	1,446	93.9	266	138.5
Phlebitis, varicose veins	2,621	16.3	3,659	68.4	1,499	97.4	204	106.1
Other selected circulatory	5,457	33.9	4,569	85.5	1,516	98.5	186	97.0
Respiratory								
Chronic bronchitis	7,287	45.3	2,801	52.4	957	62.1	90	47.0
Asthma	6,149	38.2	1,824	34.1	590	38.3	*33	*17.3
Hay fever	14,502	90.2	4,565	85.4	858	55.7	83	43.2
Sinusitis	18,957	117.9	9,604	179.6	2,379	154.5	222	115.7
Emphysema	130	0.8	1,281	24.0	651	42.3	*37	*19.0
Tuberculosis	*49	*0.3	*41	*0.8	*22	*1.4	.	.
Lung or bronchial cancer	*20	*0.1	94	1.7	110	7.1	.	.
Other selected respiratory disease	20,793	129.3	6,624	123.9	1,471	95.5	119	62.0
Miscellaneous								
Diabetes	993	6.2	3,232	60.5	1,557	101.1	151	78.6
Anemias	2,276	14.2	775	14.5	355	23.1	*75	39.3
Kidney disorders	1,633	10.2	1,270	23.8	423	27.5	97	50.3
Female genital disorders	4,340	27.1	1,412	26.6	450	29.6	*43	*22.6
Mental retardation	957	6.0	109	2.0	*20	*1.3	.	.
Epilepsy	780	4.9	202	3.8	*52	*3.4	*9	*4.5
Multiple sclerosis	*71	*0.4	*71	*1.3	*9	*0.6	.	.
Migraine headache	5,472	34.0	2,046	38.3	211	13.7	*11	*5.7
Cancer of female breast	*50	*0.3	262	4.9	122	7.9	*17	*8.7
Cancer of genitourinary sites	112	0.7	100	1.9	*69	*4.5		

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 1: PREVALENCE OF SELECTED IMPAIRMENTS AND CHRONIC CONDITIONS, BY GENDER AND AGE: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, 1983-1985 (THREE-YEAR AVERAGE)–CONTINUED

	Males							
Chronic Condition	*Under 45*		*45-69*		*70-84*		*85+*	
Skin and musculoskeletal	*Number of conditions in thousands and rate per 1,000 persons*							
Rheumatoid arthritis	115	1.4	178	7.1	*37	*6.0	.	.
Osteoarthritis/other arthropathies	1,891	23.7	5,787	230.4	2,407	391.4	231	377.1
Intervertebral disk disorders	880	11.0	1,050	41.8	160	26.1	*19	*31.3
Osteomyelitis/bone disorders	528	6.6	438	17.4	106	17.2	*5	*8.7
Bursitis	643	8.0	1,027	40.9	190	30.9	*9	*15.2
Psoriasis and dermatitis	3,111	38.9	1,117	44.5	221	36.0	*14	*23.6
Skin cancer	92	1.1	469	18.7	212	34.4	*24	*39.3
Other selected skin and musculoskeletal	6,147	76.9	3,626	144.4	1,315	213.9	136	221.2
Impairments								
Absence of arm(s)/hand(s)	*14	*0.2	*52	*2.1	*23	*3.7	.	.
Absence of leg(s)	*58	*0.7	106	4.2	*15	*2.5	*24	*38.3
Absence of fingers, toes, feet	585	7.3	632	25.1	242	39.4	*10	*16.6
Other absence, NEC	188	2.4	167	6.6	82	13.4	*6	*9.1
Complete paralysis of extremities	94	1.2	194	7.7	79	12.8	*3	*5.6
Cerebral palsy	163	2.0	*13	*0.5	.	.	.	.
Partial paralysis of extremities	*57	*0.7	102	4.1	103	16.7	*11	*17.9
Paralysis of other sites	*61	*0.8	*41	*1.6	*4	*0.6	.	.
Curvature of back or spine	858	10.7	383	15.2	95	15.5	*17	*27.3
Other impairment of back	2,329	29.1	1,754	69.8	274	44.6	*42	*67.8
Impairment of upper extremities	938	11.7	630	25.1	187	30.5	*8	*13.3
Impairment of lower extremities	3,168	39.6	1,765	70.3	367	59.7	*44	*71.8
Other orthopedic impairment	101	1.3	*42	*1.7	*17	*2.7	.	.
Speech impairment	1,138	14.2	301	12.0	91	14.8	*4	*6.5
Blind in both eyes	*47	*0.6	*64	*2.5	*54	*8.8	*49	*79.5
Cataracts	168	2.1	618	24.6	694	112.9	185	301.2
Glaucoma	126	1.6	308	12.3	227	37.0	*63	102.7
Other visual impairment/retinal disorders	2,552	31.9	1,682	67.0	692	112.5	115	187.3
Deaf in both ears	159	2.0	462	18.4	307	50.0	*61	99.4
Other hearing impairment	3,626	45.4	4,961	197.5	2,013	327.4	254	413.7
Digestive								
Ulcers	957	12.0	960	38.2	185	30.1	*2	*3.4
Abdominal hernia	746	9.3	1,226	48.8	451	73.4	*46	*75.8
Enteritis and colitis	470	5.9	257	10.2	*31	*5.1	*13	*20.5
Cancer of digestive sites	.	.	*50	*2.0	*47	*7.7	*7	*11.4
Other selected digestive disorders	3,276	41.0	2,680	106.7	1,147	186.6	145	236.3

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 1: PREVALENCE OF SELECTED IMPAIRMENTS AND CHRONIC CONDITIONS, BY GENDER AND AGE: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, 1983-1985 (THREE-YEAR AVERAGE)--CONTINUED

	Males							
Chronic Condition	*Under 45*		*45-69*		*70-84*		*85+*	
Circulatory	*Number of conditions in thousands and rate per 1,000 persons*							
Rheumatic fever	246	3.1	268	10.7	*61	*9.9	.	.
Ischemic heart disease	164	2.0	2,551	101.6	1,092	177.7	133	216.9
Heart rhythm disorders	1,462	18.3	911	36.2	379	61.6	*59	*95.5
Other heart disease	507	6.3	985	39.2	514	83.6	129	209.5
Hypertension	3,268	40.9	6,740	268.3	1,977	321.6	168	273.1
Cerebrovascular disease	93	1.2	656	26.1	476	77.4	81	131.6
Arteriosclerosis	*24	*0.3	842	33.5	621	101.0	80	129.8
Phlebitis, varicose veins	455	5.7	815	32.4	356	57.8	*56	*91.9
Other selected circulatory	2,383	29.8	2,156	85.8	600	97.6	80	130.4
Respiratory								
Chronic bronchitis	3,142	39.3	877	34.9	351	57.1	*14	*22.7
Asthma	2,857	35.7	723	28.8	284	46.2	*5	*7.4
Hay fever	6,938	86.8	1,933	77.0	292	47.5	*25	*40.7
Sinusitis	8,128	101.7	3,988	158.7	893	145.2	*52	*85.3
Emphysema	*70	*0.9	880	35.0	488	79.4	*26	*42.2
Tuberculosis	*27	*0.3	*23	*0.9	*11	*1.8	.	.
Lung or bronchial cancer	*16	*0.2	*49	*2.0	*63	10.2	.	.
Other selected respiratory disease	9,460	118.4	2,965	118.0	614	99.9	*42	*68.2
Miscellaneous								
Diabetes	428	5.4	1,408	56.0	608	98.9	*52	*85.1
Anemias	304	3.8	148	5.9	83	13.5	*4	*7.1
Kidney disorders	432	5.4	548	21.8	148	24.1	*20	*32.8
Female genital disorders	na	na	na	na	na	na	na	na
Mental retardation	651	8.1	*51	*2.0	*4	*0.6	.	.
Epilepsy	388	4.9	121	4.8	*38	*6.1	*5	*7.7
Multiple sclerosis	*18	*0.2	*24	*0.9	.	.	.	.
Migraine headache	1,467	18.4	492	19.6	*49	*8.0	.	.
Cancer of female breast	na	na	na	na	na	na	na	na
Cancer of genitourinary sites	.	.	*43	*1.7	*52	*8.5	.	.

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 1: PREVALENCE OF SELECTED IMPAIRMENTS AND CHRONIC CONDITIONS, BY GENDER AND AGE: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, 1983-1985 (THREE-YEAR AVERAGE)–CONTINUED

	Females							
Chronic Condition	***Under 45***		***45-69***		***70-84***		***85+***	
Skin and musculoskeletal	*Number of conditions in thousands and rate per 1,000 persons*							
Rheumatoid arthritis	179	2.2	588	20.8	156	16.9	*33	*25.1
Osteoarthritis/other arthropathies	3,103	38.4	9,935	350.5	4,967	537.1	712	544.7
Intervertebral disk disorders	623	7.7	972	34.3	211	22.8	*12	*9.2
Osteomyelitis/bone disorders	522	6.5	927	32.7	396	42.9	*51	*38.7
Bursitis	886	11.0	1,515	53.4	383	41.4	*32	*24.3
Psoriasis and dermatitis	4,519	55.9	1,655	58.4	427	46.2	80	61.4
Skin cancer	*76	*0.9	251	8.8	124	13.4	*40	*30.5
Other selected skin and musculoskeletal	7,881	97.5	5,393	190.3	2,346	253.7	421	322.2
Impairments								
Absence of arm(s)/hand(s)	*4	*0.0	*4	*0.1	.	.	.	.
Absence of leg(s)	*4	*0.0	*32	*1.1	*30	*3.2	.	.
Absence of fingers, toes, feet	123	1.5	160	5.6	*76	8.2	*4	*3.3
Other absence, NEC	165	2.0	273	9.6	167	18.1	*10	*7.7
Complete paralysis of extremities	*42	*0.6	116	4.1	90	9.7	*32	*24.5
Cerebral palsy	*68	*0.8	*12	*0.4	*6	*0.6	.	.
Partial paralysis of extremities	*44	*0.5	95	3.3	105	11.3	*24	*18.4
Paralysis of other sites	*23	*0.3	*54	*1.9	*42	*4.5	.	.
Curvature of back or spine	1,853	22.9	923	32.6	379	41.0	*52	*40.1
Other impairment of back	2,637	32.6	1,778	62.7	571	61.7	*62	47.5
Speech impairment	559	6.9	183	6.5	*74	*8.0	*9	*6.9
Impairment of upper extremities	500	6.2	514	18.2	276	29.8	*54	*41.5
Impairment of lower extremities	2,584	32.0	1,609	56.8	750	81.1	172	131.8
Other orthopedic impairment	*59	*0.7	79	2.8	*17	*1.8	*7	*5.1
Blind in both eyes	*43	*0.5	*49	*1.7	*37	*4.0	*38	*29.4
Cataracts	121	1.5	982	34.6	2,012	217.6	440	336.3
Glaucoma	84	1.0	398	14.0	447	48.3	*56	*42.9
Other visual impairment/retinal disorders	1,083	13.4	1,122	39.6	1,042	112.7	266	203.4
Deaf in both ears	159	2.0	205	7.2	243	26.3	144	110.0
Other hearing impairment	2,362	29.2	3,313	116.9	2,289	247.5	471	360.1
Digestive								
Ulcers	1,046	12.9	958	33.8	313	33.8	*40	*30.8
Abdominal hernia	427	5.3	1,272	44.9	664	71.8	80	61.2
Enteritis and colitis	764	9.5	589	20.8	239	25.8	*29	*22.1
Cancer of digestive sites	*8	*0.1	86	3.0	*46	*5.0	*5	*3.7
Other selected digestive disorders	4,748	58.7	4,991	176.1	2,671	288.8	419	320.4

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 1: PREVALENCE OF SELECTED IMPAIRMENTS AND CHRONIC CONDITIONS, BY GENDER AND AGE: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, 1983-1985 (THREE-YEAR AVERAGE)--CONTINUED

	Females							
Chronic Condition	*Under 45*		*45-69*		*70-84*		*85+*	
Circulatory	*Number of conditions in thousands and rate per 1,000 persons*							
Rheumatic fever	363	4.5	419	14.8	119	12.9	*18	*13.6
Ischemic heart disease	137	1.7	1,562	55.1	1,174	127.0	151	115.8
Heart rhythm disorders	2,139	26.5	1,503	53.0	884	95.6	162	124.0
Other heart disease	620	7.7	1,047	36.9	851	92.0	146	111.3
Hypertension	2,940	36.4	8,596	303.3	4,360	471.5	547	418.0
Cerebrovascular disease	121	1.5	467	16.5	516	55.8	122	93.2
Arteriosclerosis	*17	*0.2	532	18.8	825	89.2	187	142.6
Phlebitis, varicose veins	2,166	26.8	2,845	100.4	1,144	123.7	147	112.7
Other selected circulatory	3,073	38.0	2,413	85.1	916	99.0	106	81.4
Respiratory								
Chronic bronchitis	4,145	51.3	1,924	67.9	606	65.5	*76	*58.4
Asthma	3,292	40.7	1,101	38.9	306	33.1	*29	*21.9
Hay fever	7,564	93.6	2,632	92.9	566	61.2	*58	*44.3
Sinusitis	10,829	133.9	5,617	198.2	1,487	160.8	170	130.0
Emphysema	*60	0.7	401	14.2	163	17.6	*11	*8.1
Tuberculosis	*22	*0.3	*17	*0.6	*11	*1.2	.	.
Lung or bronchial cancer	*4	*0.1	*44	*1.6	*47	*5.1	.	.
Other selected respiratory disease	11,333	140.2	3,659	129.1	856	92.6	*77	59.2
Miscellaneous								
Diabetes	565	7.0	1,824	64.4	949	102.6	99	75.5
Anemias	1,973	24.4	628	22.1	272	29.4	*71	*54.3
Kidney disorders	1,201	14.9	722	25.5	275	29.7	*77	58.5
Female genital disorders	4,340	53.7	1,412	49.8	450	48.7	*43	*33.2
Mental retardation	306	3.8	*58	*2.1	*16	*1.7	.	.
Epilepsy	392	4.8	81	2.9	*14	*1.5	*4	*3.0
Multiple sclerosis	*52	*0.6	*47	*1.7	*9	*1.0	.	.
Migraine headache	4,006	49.6	1,552	54.8	160	17.3	*11	*8.4
Cancer of female breast	*50	*0.6	262	9.2	122	13.2	*17	*12.8
Cancer of genitourinary sites	112	1.4	*56	*2.0	*17	*1.8	.	.

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 2: PREVALENCE OF ACTIVITY LIMITATION DUE TO CHRONIC CONDITIONS, BY DEGREE OF LIMITATION AND SOCIODEMOGRAPHIC CHARACTERISTICS: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, 1983-1985 (THREE-YEAR AVERAGE)

			Degree of Activity Limitation							
Characteristic	***All Persons***		***Not Limited in Activity***		***Limited in Non-Major Activity***		***Limited in Amount or Kind of Major Activity***		***Unable to Perform Major Activity***	
				Number of persons in thousands and percent distribution						
All persons	231,549	100.0	199,009	85.9	10,073	4.4	13,642	5.9	8,825	3.8
Gender:										
Male	111,799	100.0	96,620	86.4	4,228	3.8	5,851	5.2	5,100	4.6
Female	119,750	100.0	102,389	85.5	5,845	4.9	7,791	6.5	3,725	3.1
Age group:										
Under 5	17,975	100.0	17,571	97.8	115	0.6	201	1.1	87	0.5
5-17	44,675	100.0	41,886	93.8	826	1.8	1,794	4.0	169	0.4
18-24	28,006	100.0	26,389	94.2	491	1.8	679	2.4	448	1.6
25-44	70,115	100.0	63,352	90.4	2,147	3.1	3,007	4.3	1,608	2.3
45-64	44,322	100.0	33,828	76.3	2,559	5.8	4,209	9.5	3,726	8.4
65-69	9,139	100.0	5,489	60.1	757	8.3	1,389	15.2	1,504	16.5
70-74	7,202	100.0	4,793	66.6	1,474	20.5	642	8.9	293	4.1
75-84	8,194	100.0	4,907	59.9	1,461	17.8	1,202	14.7	624	7.6
85 and over	1,921	100.0	793	41.3	244	12.7	518	27.0	366	19.1
Age group and gender:										
Males										
Under 5	9,198	100.0	8,966	97.5	66	0.7	117	1.3	50	0.5
5-17	22,795	100.0	21,127	92.7	455	2.0	1,120	4.9	93	0.4
18-24	13,715	100.0	12,847	93.7	225	1.6	380	2.8	264	1.9
25-44	34,210	100.0	30,843	90.2	939	2.7	1,464	4.3	964	2.8
45-64	21,059	100.0	16,254	77.2	884	4.2	1,632	7.8	2,288	10.9
65-69	4,060	100.0	2,396	59.0	193	4.8	484	11.9	987	24.3
70-74	3,058	100.0	2,008	65.7	733	24.0	193	6.3	124	4.1
75-84	3,091	100.0	1,906	61.7	631	20.4	328	10.6	226	7.3
85.and over	614	100.0	274	44.7	102	16.6	133	21.6	105	17.2
Females										
Under 5	8,777	100.0	8,605	98.0	50	0.6	84	1.0	38	0.4
5-17	21,880	100.0	20,759	94.9	371	1.7	673	3.1	76	0.3
18-24	14,291	100.0	13,542	94.8	266	1.9	299	2.1	184	1.3
25-44	35,905	100.0	32,509	90.5	1,207	3.4	1,543	4.3	645	1.8
45-64	23,263	100.0	17,574	75.5	1,674	7.2	2,577	11.1	1,438	6.2
65-69	5,079	100.0	3,093	60.9	564	11.1	905	17.8	517	10.2
70-74	4,145	100.0	2,785	67.2	741	17.9	450	10.9	168	4.1
75-84	5,103	100.0	3,001	58.8	830	16.3	874	17.1	398	7.8
85 and over	1,308	100.0	519	39.7	142	10.9	386	29.5	261	20.0

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 2: PREVALENCE OF ACTIVITY LIMITATION DUE TO CHRONIC CONDITIONS, BY DEGREE OF LIMITATION AND SOCIODEMOGRAPHIC CHARACTERISTICS: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, 1983-1985 (THREE-YEAR AVERAGE)--CONTINUED

			Degree of Activity Limitation							
Characteristic	***All Persons***		***Not Limited in Activity***		***Limited in Non-Major Activity***		***Limited in Amount or Kind of Major Activity***		***Unable to Perform Major Activity***	
			Number of persons in thousands and percent distribution							
Race and ethnicity:										
Native American	1,426	100.0	1,172	82.2	62	4.4	117	8.2	74	5.2
Asian or Pacific Islander	4,361	100.0	408,0	93.5	83	1.9	114	2.6	84	1.9
Black non-Hispanic	26,921	100.0	22,908	85.1	914	3.4	1,616	6.0	1,483	5.5
Black Hispanic	716	100.0	636	88.9	19	2.6	35	4.9	26	3.6
White non-Hispanic	179,757	100.0	153,761	85.5	8,467	4.7	10,957	6.1	6,572	3.7
White Hispanic	13,779	100.0	12,366	89.7	400	2.9	593	4.3	421	3.1
Other and unknown	4,589	100.0	4,086	89.0	129	2.8	210	4.6	164	3.6
Race and ethnicity and gender:										
Native American										
Male	667	100.0	550	82.6	22	3.4	45	6.7	49	7.3
Female	760	100.0	622	81.9	40	5.3	72	9.5	25	3.3
Asian or Pacific Islander										
Male	2,129	100.0	2,005	94.2	31	1.4	49	2.3	44	2.1
Female	2,232	100.0	2,075	92.9	52	2.3	65	2.9	40	1.8
Black non-Hispanic										
Male	12,502	100.0	10,759	86.1	303	2.4	635	5.1	805	6.4
Female	14,420	100.0	12,149	84.3	611	4.2	981	6.8	679	4.7
Black Hispanic										
Male	335	100.0	299	89.4	*7	*2.2	*16	*4.8	*12	*3.6
Female	381	100.0	336	88.4	*12	*3.0	19	5.0	*14	*3.6
White non-Hispanic										
Male	87,161	100.0	74,867	85.9	3,663	4.2	4,775	5.5	3,856	4.4
Female	92,596	100.0	78,894	85.2	4,804	5.2	6,182	6.7	2,716	2.9
White Hispanic										
Male	6,715	100.0	6,077	90.5	153	2.3	239	3.6	246	3.7
Female	7,064	100.0	6,289	89.0	247	3.5	353	5.0	174	2.5
Other and unknown										
Male	2,291	100.0	2,062	90.0	49	2.1	91	4.0	88	3.8
Female	2,298	100.0	2,023	88.0	79	3.5	119	5.2	77	3.3

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 2: PREVALENCE OF ACTIVITY LIMITATION DUE TO CHRONIC CONDITIONS, BY DEGREE OF LIMITATION AND SOCIODEMOGRAPHIC CHARACTERISTICS: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, 1983-1985 (THREE-YEAR AVERAGE)--CONTINUED

Characteristic	*All Persons*		*Degree of Activity Limitation*							
			Not Limited in Activity		*Limited in Non-Major Activity*		*Limited in Amount or Kind of Major Activity*		*Unable to Perform Major Activity*	
	Number of persons in thousands and percent distribution									
Family income:										
Under $10,000	38,701	100.0	28,978	74.9	2,709	7.0	3,887	10.0	3,127	8.1
$10,000 - $14,999	23,951	100.0	19,618	81.9	1,307	5.5	1,725	7.2	1,301	5.4
$15,000 - $24,999	49,850	100.0	43,535	87.3	1,879	3.8	2,829	5.7	1,607	3.2
$25,000 - $34,999	40,593	100.0	36,683	90.4	1,361	3.4	1,775	4.4	774	1.9
$35,000 or more	49,617	100.0	45,542	91.8	1,530	3.1	1,826	3.7	719	1.4
Unknown	28,837	100.0	24,653	85.5	1,287	4.5	1,601	5.6	1,297	4.5
Family income and gender:										
Under $10,000										
Male	16,368	100.0	12,481	76.3	853	5.2	1,270	7.8	1,764	10.8
Female	22,332	100.0	16,497	73.9	1,856	8.3	2,616	11.7	1,364	6.1
$10,000-$14,999										
Male	11,136	100.0	9,048	81.2	541	4.9	715	6.4	831	7.5
Female	12,815	100.0	10,570	82.5	765	6.0	1,010	7.9	470	3.7
$15,000-$24,999										
Male	24,378	100.0	21,159	86.8	832	3.4	1,367	5.6	1,020	4.2
Female	25,472	100.0	22,376	87.8	1,047	4.1	1,462	5.7	587	2.3
$25,000-$34,999										
Male	20,669	100.0	18,659	90.3	692	3.3	903	4.4	416	2.0
Female	19,924	100.0	18,024	90.5	670	3.4	872	4.4	358	1.8
$35,000 or more										
Male	25,631	100.0	23,489	91.6	818	3.2	970	3.8	354	1.4
Female	23,986	100.0	22,053	91.9	712	3.0	856	3.6	365	1.5
Unknown										
Male	13,617	100.0	11,785	86.5	491	3.6	625	4.6	715	5.3
Female	15,221	100.0	12,868	84.5	795	5.2	975	6.4	582	3.8
Poverty status:										
Above poverty line	175,930	100.0	152,822	86.9	7,488	4.3	9,851	5.6	5,770	3.3
At or below poverty line	26,757	100.0	21,511	80.4	1,298	4.9	2,189	8.2	1,758	6.6
Unknown	28,862	100.0	24,676	85.5	1,287	4.5	1,602	5.6	1,297	4.5

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 2: PREVALENCE OF ACTIVITY LIMITATION DUE TO CHRONIC CONDITIONS, BY DEGREE OF LIMITATION AND SOCIODEMOGRAPHIC CHARACTERISTICS: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, 1983-1985 (THREE-YEAR AVERAGE)--CONTINUED

			Degree of Activity Limitation							
Characteristic	*All Persons*		*Not Limited in Activity*		*Limited in Non-Major Activity*		*Limited in Amount or Kind of Major Activity*		*Unable to Perform Major Activity*	
	Number of persons in thousands and percent distribution									
Poverty and gender: Above poverty line										
Male	86,436	100.0	75,221	87.0	3,367	3.9	4,429	5.1	3,418	4.0
Female	89,494	100.0	77,601	86.7	4,120	4.6	5,421	6.1	2,352	2.6
At or below poverty line										
Male	11,730	100.0	9,600	81.8	369	3.1	795	6.8	967	8.2
Female	15,027	100.0	11,911	79.3	930	6.2	1,395	9.3	791	5.3
Unknown										
Male	13,633	100.0	11,799	86.5	492	3.6	627	4.6	715	5.2
Female	15,229	100.0	12,876	84.6	795	5.2	975	6.4	582	3.8
Education level:										
Under 18 years old	62,650	100.0	59,457	94.9	941	1.5	1,995	3.2	257	0.4
8 years or less	20,151	100.0	12,494	62.0	2,139	10.6	2,780	13.8	2,738	13.6
9-11 years	22,820	100.0	17,583	77.1	1,474	6.5	2,131	9.3	1,632	7.2
12 years	65,565	100.0	56,274	85.8	2,886	4.4	3,849	5.9	2,556	3.9
13-15 years	30,708	100.0	26,978	87.9	1,294	4.2	1,557	5.1	878	2.9
16 years or more	27,830	100.0	24,910	89.5	1,252	4.5	1,150	4.1	519	1.9
Unknown	1,824	100.0	1,313	72.0	88	4.8	178	9.8	245	13.4
Education and gender: Under 18 years old										
Male	31,993	100.0	30,093	94.1	520	1.6	1,237	3.9	142	0.4
Female	30,657	100.0	29,364	95.8	421	1.4	758	2.5	114	0.4
8 years or less										
Male	9,616	100.0	6,141	63.9	877	9.1	961	10.0	1,637	17.0
Female	10,535	100.0	6,353	60.3	1,262	12.0	1,819	17.3	1,101	10.5
9-11 years										
Male	10,578	100.0	8,411	79.5	501	4.7	719	6.8	947	9.0
Female	12,242	100.0	9,172	74.9	973	7.9	1,412	11.5	685	5.6
12 years										
Male	28,497	100.0	24,501	86.0	1,022	3.6	1,529	5.4	1,446	5.1
Female	37,068	100.0	31,773	85.7	1,864	5.0	2,321	6.3	1,110	3.0

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 2: PREVALENCE OF ACTIVITY LIMITATION DUE TO CHRONIC CONDITIONS, BY DEGREE OF LIMITATION AND SOCIODEMOGRAPHIC CHARACTERISTICS: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, 1983-1985 (THREE-YEAR AVERAGE)--CONTINUED

Characteristic	All Persons		Degree of Activity Limitation: Not Limited in Activity		Limited in Non-Major Activity		Limited in Amount or Kind of Major Activity		Unable to Perform Major Activity	
	Number of persons in thousands and percent distribution									
Education and gender: 13-15 years										
Male	14,667	100.0	12,900	88.0	555	3.8	706	4.8	506	3.5
Female	16,040	100.0	14,078	87.8	739	4.6	851	5.3	371	2.3
16 years or more										
Male	15,517	100.0	13,876	89.4	717	4.6	620	4.0	303	2.0
Female	12,313	100.0	11,033	89.6	534	4.3	531	4.3	216	1.8
Unknown										
Male	930	100.0	698	75.0	35	3.8	79	8.5	118	12.7
Female	894	100.0	615	68.8	53	5.9	99	11.1	127	14.2
Marital status:										
Under age 18	62,650	100.0	59,457	94.9	941	1.5	1,995	3.2	257	0.4
Married	108,648	100.0	91,303	84.0	5,588	5.1	6,971	6.4	4,785	4.4
Widowed	12,808	100.0	7,634	59.6	1,737	13.6	2,124	16.6	1,314	10.3
Divorced	10,918	100.0	8,516	78.0	673	6.2	952	8.7	777	7.1
Separated	3,582	100.0	2,786	77.8	204	5.7	300	8.4	292	8.1
Never married	32,150	100.0	28,636	89.1	904	2.8	1,264	3.9	1,346	4.2
Unknown	793	100.0	676	85.2	26	3.2	37	4.6	55	6.9
Marital status and gender: Under age 18										
Male	31,993	100.0	30,093	94.1	520	1.6	1,237	3.9	142	0.4
Female	30,657	100.0	29,364	95.8	421	1.4	758	2.5	114	0.4
Married										
Male	54,628	100.0	45,274	82.9	2,779	5.1	3,321	6.1	3,254	6.0
Female	54,020	100.0	46,030	85.2	2,809	5.2	3,650	6.8	1,531	2.8
Widowed										
Male	1,966	100.0	1,204	61.2	254	12.9	232	11.8	276	14.0
Female	10,842	100.0	6,430	59.3	1,483	13.7	1,892	17.4	1,038	9.6
Divorced										
Male	4,035	100.0	3,122	77.4	201	5.0	305	7.6	407	10.1
Female	6,883	100.0	5,394	78.4	472	6.9	647	9.4	370	5.4

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

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TABLE 2: PREVALENCE OF ACTIVITY LIMITATION DUE TO CHRONIC CONDITIONS, BY DEGREE OF LIMITATION AND SOCIODEMOGRAPHIC CHARACTERISTICS: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, 1983-1985 (THREE-YEAR AVERAGE)--CONTINUED

			Degree of Activity Limitation							
Characteristic	***All Persons***		***Not Limited In Activity***		***Limited In Non-Major Activity***		***Limited In Amount or Kind of Major Activity***		***Unable to Perform Major Activity***	
	Number of persons in thousands and percent distribution									
Marital status and gender:										
Separated										
Male	1,266	100.0	991	78.3	59	4.7	74	5.9	142	11.2
Female	2,316	100.0	1,795	77.5	145	6.3	226	9.7	150	6.5
Never married										
Male	17,539	100.0	15,615	89.0	406	2.3	666	3.8	852	4.9
Female	14,611	100.0	13,022	89.1	497	3.4	598	4.1	494	3.4
Unknown										
Male	371	100.0	322	86.9	*7	*1.9	*15	*4.1	26	7.1
Female	422	100.0	354	83.8	19	4.4	21	5.1	29	6.8

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 3: PREVALENCE OF WORK LIMITATION DUE TO CHRONIC CONDITIONS, BY DEGREE OF LIMITATION AND SOCIODEMOGRAPHIC CHARACTERISTICS: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, AGES 18-69 YEARS, 1983-1985 (THREE-YEAR AVERAGE)

					Degree of Work Limitation					
Characteristic	*All Persons*		*Not Limited in Activity*		*Limited in Non-Work Activity*		*Limited in Amount or Kind of Work Activity*		*Unable to Work*	
	Number of persons in thousands and percent distribution									
All persons	151,582	100.0	129,059	85.1	5,128	3.4	7,456	4.9	9,939	6.6
Gender:										
Male	73,044	100.0	62,340	85.3	2,243	3.1	3,866	5.3	4,595	6.3
Female	78,538	100.0	66,719	85.0	2,885	3.7	3,590	4.6	5,344	6.8
Age group:										
18-24	28,006	100.0	26,389	94.2	476	1.7	651	2.3	491	1.8
25-44	70,115	100.0	63,352	90.4	1,921	2.7	2,770	4.0	2,072	3.0
45-64	44,322	100.0	33,828	76.3	2,131	4.8	3,141	7.1	5,222	11.8
65-69	9,139	100.0	5,489	60.1	601	6.6	895	9.8	2,154	23.6
Age group and gender Males										
18-24	13,715	100.0	12,847	93.7	237	1.7	369	2.7	263	1.9
25-44	34,210	100.0	30,843	90.2	940	2.7	1,433	4.2	994	2.9
45-64	21,059	100.0	16,254	77.2	878	4.2	1,596	7.6	2,330	11.1
65-69	4,060	100.0	2,396	59.0	189	4.7	467	11.5	1,008	24.8
Females										
18-24	14,291	100.0	13,542	94.8	239	1.7	282	2.0	228	1.6
25-44	35,905	100.0	32,509	90.5	981	2.7	1,337	3.7	1,077	3.0
45-64	23,263	100.0	17,574	75.5	1,253	5.4	1,544	6.6	2,892	12.4
65-69	5,079	100.0	3,093	60.9	412	8.1	428	8.4	1,146	22.6
Race and ethnicity:										
Native American	876	100.0	688	78.5	36	4.1	62	7.0	91	10.4
Asian or Pacific Islander	2,892	100.0	2,674	92.5	56	1.9	68	2.3	94	3.3
Black non-Hispanic	16,273	100.0	13,469	82.8	418	2.6	710	4.4	1,676	10.3
Black Hispanic	405	100.0	351	86.7	*8	*2.1	17	4.2	28	7.0
White non-Hispanic	120,555	100.0	102,621	85.1	4,310	3.6	6,234	5.2	7,390	6.1
White Hispanic	8,033	100.0	7,054	87.8	233	2.9	266	3.3	480	6.0
Other and unknown	2,547	100.0	2,201	86.4	67	2.6	100	3.9	179	7.0

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 3: PREVALENCE OF WORK LIMITATION DUE TO CHRONIC CONDITIONS, BY DEGREE OF LIMITATION AND SOCIODEMOGRAPHIC CHARACTERISTICS: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, AGES 18-69 YEARS, 1983-1985 (THREE-YEAR AVERAGE)--CONTINUED

							Degree of Work Limitation			
Characteristic	***All Persons***		***Not Limited in Activity***		***Limited in Non-Work Activity***		***Limited in Amount or Kind of Work Activity***		***Unable to Work***	
	Number of persons in thousands and percent distribution									
Race and ethnicity and gender:										
Native American										
Male	403	100.0	322	79.8	*13	*3.3	28	6.8	41	10.1
Female	473	100.0	366	77.3	23	4.8	34	7.2	51	10.7
Asian or Pacific Islander										
Male	1,384	100.0	1,292	93.3	24	1.7	29	2.1	39	2.8
Female	1,508	100.0	1,382	91.7	33	2.2	38	2.5	55	3.6
Black non-Hispanic										
Male	7,332	100.0	6,134	83.7	129	1.8	324	4.4	744	10.1
Female	8,941	100.0	7,335	82.0	289	3.2	385	4.3	932	10.4
Black Hispanic										
Male	184	100.0	161	87.8	*4	*2.3	*8	*4.6	*10	*5.3
Female	222	100.0	190	85.8	*4	*1.9	*9	*3.9	19	8.5
White non-Hispanic										
Male	58,613	100.0	49,877	85.1	1,965	3.4	3,300	5.6	3,470	5.9
Female	61,942	100.0	52,744	85.1	2,345	3.8	2,934	4.7	3,920	6.3
White Hispanic										
Male	3,846	100.0	3,427	89.1	77	2.0	125	3.3	218	5.7
Female	4,187	100.0	3,627	86.6	156	3.7	141	3.4	262	6.3
Other and unknown										
Male	1,283	100.0	1,127	87.9	31	2.4	51	3.9	75	5.8
Female	1,264	100.0	1,074	85.0	36	2.9	49	3.9	105	8.3
Family income:										
Under $10,000	21,977	100.0	15,772	71.8	929	4.2	1,507	6.9	3,768	17.1
$10,000 - $14,999	14,988	100.0	12,086	80.6	517	3.4	888	5.9	1,497	10.0
$15,000 - $24,999	32,939	100.0	28,291	85.9	1,084	3.3	1,764	5.4	1,799	5.5
$25,000 - $34,999	27,460	100.0	24,503	89.2	913	3.3	1,200	4.4	844	3.1
$35,000 or more	35,082	100.0	31,980	91.2	1,113	3.2	1,262	3.6	726	2.1
Unknown	19,137	100.0	16,426	85.8	572	3.0	835	4.4	1,304	6.8

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 3: PREVALENCE OF WORK LIMITATION DUE TO CHRONIC CONDITIONS, BY DEGREE OF LIMITATION AND SOCIODEMOGRAPHIC CHARACTERISTICS: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, AGES 18-69 YEARS, 1983-1985 (THREE-YEAR AVERAGE)--CONTINUED

							Degree of Work Limitation			
Characteristic	***All Persons***		***Not Limited in Activity***		***Limited in Non-Work Activity***		***Limited in Amount or Kind of Work Activity***		***Unable to Work***	
	Number of persons in thousands and percent distribution									
Family income and gender: Under $10,000										
Male	9,143	100.0	6,570	71.9	266	2.9	680	7.4	1,626	17.8
Female	12,835	100.0	9,202	71.7	663	5.2	828	6.4	2,142	16.7
$10,000 - $14,999										
Male	6,716	100.0	5,341	79.5	180	2.7	434	6.5	760	11.3
Female	8,272	100.0	6,744	81.5	336	4.1	454	5.5	737	8.9
$15,000 - $24,999										
Male	15,844	100.0	13,513	85.3	467	2.9	947	6.0	916	5.8
Female	17,095	100.0	14,778	86.4	617	3.6	817	4.8	883	5.2
$25,000 - $34,999										
Male	13,954	100.0	12,432	89.1	484	3.5	666	4.8	372	2.7
Female	13,506	100.0	12,072	89.4	429	3.2	533	3.9	472	3.5
$35,000 or more										
Male	18,168	100.0	16,535	91.0	613	3.4	715	3.9	305	1.7
Female	16,914	100.0	15,445	91.3	500	3.0	547	3.2	421	2.5
Unknown										
Male	9,220	100.0	7,949	86.2	232	2.5	423	4.6	616	6.7
Female	9,916	100.0	8,477	85.5	339	3.4	411	4.1	688	6.9
Poverty status:										
Above poverty line	117,952	100.0	101,738	86.3	4,051	3.4	5,719	4.8	6,444	5.5
At or below poverty line	14,493	100.0	10,894	75.2	506	3.5	903	6.2	2,191	15.1
Unknown	19,137	100.0	16,426	85.8	572	3.0	835	4.4	1,304	6.8
Poverty and gender: Above poverty line										
Male	57,848	100.0	49,892	86.2	1,868	3.2	3,028	5.2	3,059	5.3
Female	60,104	100.0	51,845	86.3	2,183	3.6	2,690	4.5	3,385	5.6

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

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TABLE 3: PREVALENCE OF WORK LIMITATION DUE TO CHRONIC CONDITIONS, BY DEGREE OF LIMITATION AND SOCIODEMOGRAPHIC CHARACTERISTICS: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, AGES 18-69 YEARS, 1983-1985 (THREE-YEAR AVERAGE)--CONTINUED

					Degree of Work Limitation					
Characteristic	*All Persons*		*Not Limited in Activity*		*Limited in Non-Work Activity*		*Limited in Amount or Kind of Work Activity*		*Unable to Work*	
	Number of persons in thousands and percent distribution									
At or below poverty line										
Male	5,976	100.0	4,498	75.3	142	2.4	414	6.9	921	15.4
Female	8,518	100.0	6,396	75.1	363	4.3	489	5.7	1,270	14.9
Unknown										
Male	9,220	100.0	7,949	86.2	232	2.5	423	4.6	616	6.7
Female	9,916	100.0	8,477	85.5	339	3.4	411	4.1	688	6.9
Education level:										
8 years or less	13,325	100.0	8,698	65.3	631	4.7	1,014	7.6	2,981	22.4
9-11 years	20,027	100.0	15,869	79.2	705	3.5	1,264	6.3	2,188	10.9
12 years	61,341	100.0	53,487	87.2	1,843	3.0	2,905	4.7	3,106	5.1
13-15 years	29,139	100.0	25,972	89.1	933	3.2	1,259	4.3	975	3.3
16 years or more	26,314	100.0	23,899	90.8	984	3.7	924	3.5	507	1.9
Unknown	1,436	100.0	1,133	78.9	32	2.2	89	6.2	182	12.7
Education and gender: 8 years or less										
Male	6,781	100.0	4,524	66.7	220	3.2	588	8.7	1,448	21.4
Female	6,544	100.0	4,174	63.8	411	6.3	426	6.5	1,533	23.4
9-11 years										
Male	9,541	100.0	7,751	81.2	261	2.7	616	6.5	913	9.6
Female	10,486	100.0	8,119	77.4	444	4.2	648	6.2	1,276	12.2
12 years										
Male	27,040	100.0	23,534	87.0	728	2.7	1,391	5.1	1,386	5.1
Female	34,301	100.0	29,953	87.3	1,114	3.2	1,514	4.4	1,720	5.0
13-15 years										
Male	14,106	100.0	12,529	88.8	440	3.1	657	4.7	480	3.4
Female	15,033	100.0	13,443	89.4	493	3.3	602	4.0	496	3.3
16 years or more										
Male	14,784	100.0	13,374	90.5	580	3.9	552	3.7	278	1.9
Female	11,530	100.0	10,525	91.3	405	3.5	372	3.2	228	2.0

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 3: PREVALENCE OF WORK LIMITATION DUE TO CHRONIC CONDITIONS, BY DEGREE OF LIMITATION AND SOCIODEMOGRAPHIC CHARACTERISTICS: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, AGES 18-69 YEARS, 1983-1985 (THREE-YEAR AVERAGE)--CONTINUED

							Degree of Work Limitation			
Characteristic	*All Persons*		*Not Limited in Activity*		*Limited in Non-Work Activity*		*Limited in Amount or Kind of Work Activity*		*Unable to Work*	
	Number of persons in thousands and percent distribution									
Education unknown										
Male	793	100.0	628	79.2	*14	*1.7	60	7.6	91	11.4
Female	644	100.0	505	78.5	19	2.9	28	4.4	92	14.2
Marital status:										
Married	100,301	100.0	85,908	85.7	3,431	3.4	5,095	5.1	5,866	5.8
Widowed	5,484	100.0	3,511	64.0	360	6.6	436	8.0	1,176	21.5
Divorced	10,337	100.0	8,173	79.1	468	4.5	694	6.7	1,003	9.7
Separated	3,432	100.0	2,711	79.0	145	4.2	188	5.5	387	11.3
Never married	31,302	100.0	28,116	89.8	711	2.3	1,017	3.2	1,457	4.7
Unknown	726	100.0	639	88.0	*12	*1.7	26	3.6	49	6.7
Marital status and gender:										
Married										
Male	49,560	100.0	42,080	84.9	1,647	3.3	2,855	5.8	2,979	6.0
Female	50,740	100.0	43,828	86.4	1,785	3.5	2,240	4.4	2,887	5.7
Widowed										
Male	815	100.0	524	64.3	39	4.8	65	8.0	186	22.8
Female	4,669	100.0	2,987	64.0	321	6.9	371	7.9	990	21.2
Divorced										
Male	3,842	100.0	3,008	78.3	148	3.9	273	7.1	413	10.7
Female	6,495	100.0	5,165	79.5	320	4.9	420	6.5	590	9.1
Separated										
Male	1,198	100.0	955	79.7	43	3.6	60	5.0	140	11.7
Female	2,234	100.0	1,757	78.6	102	4.6	128	5.7	247	11.1
Never married										
Male	17,282	100.0	15,465	89.5	363	2.1	599	3.5	855	4.9
Female	14,020	100.0	12,651	90.2	348	2.5	418	3.0	602	4.3
Unknown										
Male	347	100.0	308	88.8	*2	*0.7	*13	*3.9	23	6.7
Female	380	100.0	331	87.2	*10	*2.6	*13	*3.4	26	6.8

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 4: PREVALENCE OF NEED FOR ASSISTANCE DUE TO CHRONIC CONDITIONS IN ACTIVITIES OF DAILY LIVING, BY TYPE OF ACTIVITY AND SOCIODEMOGRAPHIC CHARACTERISTICS: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, AGES 5 AND OVER, 1983-1985 (THREE-YEAR AVERAGE)

							Needing Assistance			
Characteristic	*All Persons*		*Not Limited in Activity*		*Limited in Activity, but not in IADL or ADL*		*In IADL Only*		*In ADL*	
	Number of persons in thousands and percent distribution									
All persons	213,574	100.0	181,438	85.0	24,559	11.5	5,055	2.4	2,521	1.2
Gender:										
Male	102,601	100.0	87,655	85.4	12,226	11.9	1,634	1.6	1,086	1.1
Female	110,973	100.0	93,784	84.5	12,333	11.1	3,421	3.1	1,435	1.3
Age group:										
5-17	44,675	100.0	41,886	93.8	2,640	5.9	na	na	148	0.3
18-24	28,006	100.0	26,389	94.2	1,412	5.0	134	0.5	72	0.3
25-44	70,115	100.0	63,352	90.4	5,845	8.3	664	0.9	254	0.4
45-64	44,322	100.0	33,828	76.3	8,558	19.3	1,395	3.1	540	1.2
65-69	9,139	100.0	5,489	60.1	2,925	32.0	500	5.5	224	2.5
70-74	7,202	100.0	4,793	66.6	1,474	20.5	642	8.9	293	4.1
75-84	8,194	100.0	4,907	59.9	1,461	17.8	1,202	14.7	624	7.6
85 and over	1,921	100.0	793	41.3	244	12.7	518	27.0	366	19.1
Age group and gender: Males										
5-17	22,795	100.0	21,127	92.7	1,575	6.9	na	na	93	0.4
18-24	13,715	100.0	12,847	93.7	760	5.5	69	0.5	39	0.3
25-44	34,210	100.0	30,843	90.2	2,969	8.7	261	0.8	137	0.4
45-64	21,059	100.0	16,254	77.2	4,062	19.3	487	2.3	255	1.2
65-69	4,060	100.0	2,396	59.0	1,394	34.3	164	4.0	106	2.6
70-74	3,058	100.0	2,008	65.7	733	24.0	193	6.3	124	4.1
75-84	3,091	100.0	1,906	61.7	631	20.4	328	10.6	226	7.3
85 and over	614	100.0	274	44.7	102	16.6	133	21.6	105	17.2
Female										
5-17	21,880	100.0	20,759	94.9	1,065	4.9	na	na	55	0.3
18-24	14,291	100.0	13,542	94.8	652	4.6	64	0.5	33	0.2
25-44	35,905	100.0	32,509	90.5	2,876	8.0	403	1.1	116	0.3
45-64	23,263	100.0	17,574	75.5	4,496	19.3	908	3.9	286	1.2
65-69	5,079	100.0	3,093	60.9	1,531	30.2	336	6.6	118	2.3
70-74	4,145	100.0	2,785	67.2	741	17.9	450	10.9	168	4.1
75-84	5,103	100.0	3,001	58.8	830	16.3	874	17.1	398	7.8
85 and over	1,308	100.0	519	39.7	142	10.9	386	29.5	261	20.0

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 4: PREVALENCE OF NEED FOR ASSISTANCE DUE TO CHRONIC CONDITIONS IN ACTIVITIES OF DAILY LIVING, BY TYPE OF ACTIVITY AND SOCIODEMOGRAPHIC CHARACTERISTICS: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, AGES 5 AND OVER, 1983-1985 (THREE-YEAR AVERAGE)--CONTINUED

							Needing Assistance			
Characteristic	***All Persons***		***Not Limited In Activity***		***Limited in Activity, but not in IADL or ADL***		***In IADL Only***		***In ADL***	
	Number of persons in thousands and percent distribution									
Race and ethnicity:										
Native American	1,291	100.0	1,040	80.5	187	14.5	43	3.3	21	1.7
Asian or Pacific Islander	3,951	100.0	3,680	93.1	223	5.7	29	0.7	19	0.5
Black non-Hispanic	24,201	100.0	20,267	83.7	2,880	11.9	671	2.8	383	1.6
Black Hispanic	619	100.0	543	87.8	64	10.3	*7	*1.2	*4	*0.7
White non-Hispanic	167,489	100.0	141,750	84.6	19,782	11.8	4,025	2.4	1,932	1.2
White Hispanic	12,172	100.0	10,800	88.7	1,045	8.6	214	1.8	114	0.9
Other and unknown	3,851	100.0	3,358	87.2	377	9.8	67	1.7	49	1.3
Race and ethnicity and gender:										
Native American										
Male	604	100.0	489	80.9	90	14.9	*14	*2.3	*12	*2.0
Female	687	100.0	552	80.3	97	14.2	29	4.2	*10	*1.4
Asian or Pacific Islander										
Male	1,935	100.0	1,815	93.8	99	5.1	*15	*0.8	*7	*0.3
Female	2,016	100.0	1,866	92.5	124	6.2	*14	*0.7	*12	*0.6
Black non-Hispanic										
Male	11,122	100.0	9,427	84.8	1,308	11.8	234	2.1	152	1.4
Female	13,079	100.0	10,840	82.9	1,572	12.0	437	3.3	230	1.8
Black Hispanic										
Male	289	100.0	254	88.1	30	10.5	*2	*0.5	*3	*0.9
Female	330	100.0	289	87.5	34	10.2	*6	*1.7	*2	*0.6
White non-Hispanic										
Male	80,812	100.0	68,665	85.0	10,036	12.4	1,272	1.6	838	1.0
Female	86,677	100.0	73,085	84.3	9,746	11.2	2,753	3.2	1,093	1.3
White Hispanic										
Male	5,918	100.0	5,305	89.6	487	8.2	74	1.3	52	0.9
Female	6,254	100.0	5,495	87.9	558	8.9	139	2.2	62	1.0
Other and unknown										
Male	1,921	100.0	1,700	88.5	176	9.1	24	1.2	22	1.2
Female	1,929	100.0	1,658	85.9	202	10.5	43	2.2	26	1.4

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 4: PREVALENCE OF NEED FOR ASSISTANCE DUE TO CHRONIC CONDITIONS IN ACTIVITIES OF DAILY LIVING, BY TYPE OF ACTIVITY AND SOCIODEMOGRAPHIC CHARACTERISTICS: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, AGES 5 AND OVER, 1983-1985 (THREE-YEAR AVERAGE)--CONTINUED

							Needing Assistance			
Characteristic	*All Persons*		*Not Limited in Activity*		*Limited in Activity, but not in IADL or ADL*		*In IADL Only*		*In ADL*	
	Number of persons in thousands and percent distribution									
Family income:										
Under $10,000	35,211	100.0	25,590	72.7	6,758	19.2	2,018	5.7	845	2.4
$10,000 - $14,999	22,020	100.0	17,749	80.6	3,212	14.6	708	3.2	350	1.6
$15,000 - $24,999	45,433	100.0	39,205	86.3	5,002	11.0	793	1.7	434	1.0
$25,000 - $34,999	37,188	100.0	33,348	89.7	3,222	8.7	399	1.1	220	0.6
$35,000 or more	46,584	100.0	42,570	91.4	3,379	7.3	401	0.9	236	0.5
Unknown	27,138	100.0	22,976	84.7	2,988	11.0	736	2.7	437	1.6
Family income and gender:										
Under $10,000										
Male	14,625	100.0	10,799	73.8	2,862	19.6	590	4.0	374	2.6
Female	20,586	100.0	14,791	71.8	3,896	18.9	1,428	6.9	471	2.3
$10,000 - $14,999										
Male	10,125	100.0	8,072	79.7	1,622	16.0	261	2.6	169	1.7
Female	11,895	100.0	9,677	81.4	1,589	13.4	447	3.8	181	1.5
$15,000 - $24,999										
Male	22,118	100.0	18,952	85.7	2,657	12.0	305	1.4	203	0.9
Female	23,315	100.0	20,252	86.9	2,344	10.1	487	2.1	231	1.0
$25,000 - $34,999										
Male	18,911	100.0	16,936	89.6	1,750	9.3	135	0.7	89	0.5
Female	18,278	100.0	16,412	89.8	1,471	8.0	264	1.4	130	0.7
$35,000 or more										
Male	24,059	100.0	21,954	91.3	1,892	7.9	128	0.5	85	0.4
Female	22,525	100.0	20,615	91.5	1,487	6.6	272	1.2	151	0.7
Unknown										
Male	12,764	100.0	10,941	85.7	1443	11.3	214	1.7	166	1.3
Female	14,374	100.0	12,036	83.7	1545	10.8	522	3.6	271	1.9
Poverty status:										
Above poverty line	163,023	100.0	140,194	86.0	17,725	10.9	3,423	2.1	1,680	1.0
At or below poverty line	23,396	100.0	18,252	78.0	3,845	16.4	896	3.8	404	1.7
Unknown	27,155	100.0	22,992	84.7	2,989	11.0	736	2.7	437	1.6

SOURCE: National Health Interview Surveys, 1983-1985; original tabulations from public use tapes

TABLE 4: PREVALENCE OF NEED FOR ASSISTANCE DUE TO CHRONIC CONDITIONS IN ACTIVITIES OF DAILY LIVING, BY TYPE OF ACTIVITY AND SOCIODEMOGRAPHIC CHARACTERISTICS: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, AGES 5 AND OVER, 1983-1985 (THREE-YEAR AVERAGE)--CONTINUED

Characteristic	*All Persons*		*Not Limited in Activity*		*Limited in Activity, but not in IADL or ADL*		*Needing Assistance*			
							In IADL Only		*In ADL*	
	Number of persons in thousands and percent distribution									
Poverty and gender: Above poverty line										
Male	79,781	100.0	68,728	86.1	9,143	11.5	1,166	1.5	743	0.9
Female	83,242	100.0	71,466	85.9	8,582	10.3	2,257	2.7	938	1.1
At or below poverty line										
Male	10,045	100.0	7,975	79.4	1,639	16.3	254	2.5	177	1.8
Female	13,352	100.0	10,277	77.0	2,206	16.5	642	4.8	227	1.7
Unknown										
Male	12,776	100.0	10,952	85.7	1,444	11.3	214	1.7	166	1.3
Female	14,379	100.0	12,041	83.7	1,545	10.7	522	3.6	271	1.9
Education level:										
Under 18 years old	44,675	100.0	41,886	93.8	2,640	5.9	na	na	148	0.3
8 years or less	20,151	100.0	12,494	62.0	4,797	23.8	1,923	9.5	937	4.7
9-11 years	22,820	100.0	17,583	77.1	3,959	17.3	894	3.9	384	1.7
12 years	65,565	100.0	56,274	85.8	7,448	11.4	1,287	2.0	556	0.8
13-15 years	30,708	100.0	26,978	87.9	3,064	10.0	460	1.5	205	0.7
16 years or more	27,830	100.0	24,910	89.5	2,408	8.7	349	1.3	164	0.6
Unknown	1,824	100.0	1,313	72.0	242	13.3	142	7.8	127	7.0
Education and gender: Under 18 years old										
Male	22,795	100.0	21,127	92.7	1,575	6.9	na	na	93	0.4
Female	21,880	100.0	20,759	94.9	1,065	4.9	na	na	55	0.3
8 years or less										
Male	9,616	100.0	6,141	63.9	2,382	24.8	673	7.0	420	4.4
Female	10,535	100.0	6,353	60.3	2,415	22.9	1,250	11.9	517	4.9
9-11 years										
Male	10,578	100.0	8,411	79.5	1,745	16.5	275	2.6	147	1.4
Female	12,242	100.0	9,172	74.9	2,214	18.1	619	5.1	237	1.9
12 years										
Male	28,497	100.0	24,501	86.0	3,407	12.0	365	1.3	225	0.8
Female	37,068	100.0	31,773	85.7	4,041	10.9	922	2.5	331	0.9

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 4: PREVALENCE OF NEED FOR ASSISTANCE DUE TO CHRONIC CONDITIONS IN ACTIVITIES OF DAILY LIVING, BY TYPE OF ACTIVITY AND SOCIODEMOGRAPHIC CHARACTERISTICS: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, AGES 5 AND OVER, 1983-1985 (THREE-YEAR AVERAGE)--CONTINUED

Characteristic	*All Persons*		*Not Limited in Activity*		*Limited in Activity, but not in IADL or ADL*		*Needing Assistance*			
							In IADL Only		*In ADL*	
	Number of persons in thousands and percent distribution									
Education and gender: 13-15 years										
Male	14,667	100.0	12,900	88.0	1,545	10.5	139	0.9	83	0.6
Female	16,040	100.0	14,078	87.8	1,519	9.5	321	2.0	123	0.8
16 years or more										
Male	15,517	100.0	13,876	89.4	1,435	9.2	134	0.9	72	0.5
Female	12,313	100.0	11,033	89.6	973	7.9	215	1.7	92	0.7
Unknown										
Male	930	100.0	698	75.0	137	14.7	48	5.2	47	5.1
Female	894	100.0	615	68.8	106	11.8	94	10.5	80	9.0
Marital status:										
Under Age 18	44,675	100.0	41,886	93.8	2,640	5.9	na	na	148	0.3
Married	108,648	100.0	91,303	84.0	13,906	12.8	2,297	2.1	1,141	1.1
Widowed	12,808	100.0	7,634	59.6	2,769	21.6	1,649	12.9	757	5.9
Divorced	10,918	100.0	8,516	78.0	1,896	17.4	375	3.4	130	1.2
Separated	3,582	100.0	2,786	77.8	623	17.4	124	3.5	49	1.4
Never married	32,150	100.0	28,636	89.1	2,643	8.2	593	1.8	278	0.9
Unknown	793	100.0	676	85.2	81	10.3	17	2.1	19	2.4
Marital status: Under age 18										
Male	22,795	100.0	21,127	92.7	1,575	6.9	na	na	93	0.4
Female	21,880	100.0	20,759	94.9	1,065	4.9	na	na	55	0.3
Married										
Male	54,628	100.0	45,274	82.9	7,701	14.1	1,003	1.8	650	1.2
Female	54,020	100.0	46,030	85.2	6,205	11.5	1,294	2.4	491	0.9
Widowed										
Male	1,966	100.0	1,204	61.2	449	22.8	195	9.9	118	6.0
Female	10,842	100.0	6,430	59.3	2,320	21.4	1,454	13.4	638	5.9

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 4: PREVALENCE OF NEED FOR ASSISTANCE DUE TO CHRONIC CONDITIONS IN ACTIVITIES OF DAILY LIVING, BY TYPE OF ACTIVITY AND SOCIODEMOGRAPHIC CHARACTERISTICS: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, AGES 5 AND OVER, 1983-1985 (THREE-YEAR AVERAGE)--CONTINUED

							Needing Assistance			
Characteristic	*All Persons*		*Not Limited in Activity*		*Limited in Activity, but not in IADL or ADL*		*In IADL Only*		*In ADL*	
	Number of persons in thousands and percent distribution									
Divorced										
Male	4,035	100.0	3,122	77.4	742	18.4	117	2.9	53	1.3
Female	6,883	100.0	5,394	78.4	1,154	16.8	258	3.7	76	1.1
Separated										
Male	1,266	100.0	991	78.3	223	17.6	37	2.9	*16	*1.3
Female	2,316	100.0	1,795	77.5	400	17.3	88	3.8	33	1.4
Never married										
Male	17,539	100.0	15,615	89.0	1,502	8.6	276	1.6	147	0.8
Female	14,611	100.0	13,022	89.1	1,141	7.8	317	2.2	131	0.9
Unknown										
Male	371	100.0	322	86.9	34	9.1	*7	*1.8	*8	*2.2
Female	422	100.0	354	83.8	48	11.3	*10	*2.3	*11	*2.6

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 5: PREVALENCE OF WORK LIMITATION DUE TO CHRONIC CONDITIONS, BY DEGREE OF WORK LIMITATION, NEED FOR ASSISTANCE IN ACTIVITIES OF DAILY LIVING, AGE, AND GENDER: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, AGES 18-69, 1983-1985 (THREE-YEAR AVERAGE)

		Degree of Work Limitation											
		Limited in Non-Work Activity						*Limited in Amount or Kind of Work*					
				Needing Assistance						*Needing Assistance*			
Characteristic	*All Limited Persons*	*Not Needing Assistance in IADL or ADL*		*In IADL only*		*In ADL*		*Not Needing Assistance in IADL or ADL*		*In IADL Only*		*In ADL*	
		Number of persons in thousands and percent distribution											
All persons	22,523	4,882	95.2	203	4.0	44	0.9	6,963	93.4	404	5.4	90	1.2
Gender:;													
Male	10,704	2,201	98.1	32	1.4	*10	*0.5	3,684	95.3	138	3.6	45	1.2
Female	11,819	2,681	92.9	171	5.9	33	1.2	3,279	91.3	266	7.4	45	1.3
Age group:													
18-24	1,618	467	98.2	*6	*1.2	*3	*0.6	602	92.5	41	6.2	*8	*1.3
25-44	6,762	1,849	96.2	58	3.0	*15	*0.8	2,584	93.3	156	5.6	30	1.1
45-64	10,494	2,013	94.5	99	4.6	19	0.9	2,944	93.7	158	5.0	38	1.2
65-69	3,650	553	92.0	41	6.8	*7	*1.2	833	93.1	49	5.5	*13	*1.5
Age group and gender:													
Male													
18-24	868	234	98.9	*2	*0.7	*1	*0.4	345	93.4	21	5.7	*3	*0.9
25-44	3,367	926	98.5	*11	*1.1	*3	*0.3	1,366	95.3	51	3.5	17	1.2
45-64	4,805	858	97.7	*16	*1.8	*4	*0.4	1,530	95.8	52	3.2	*15	*0.9
65-69	1664	183	96.9	*3	*1.8	*2	*1.3	443	94.8	*15	*3.1	*10	*2.1
Female													
18-24	749	233	97.5	*4	*1.7	*2	*0.9	257	91.4	20	6.9	*5	*1.7
25-44	3,395	923	94.0	47	4.8	*12	*1.2	1,218	91.1	105	7.9	*13	*1.0
45-64	5,689	1,155	92.2	83	6.6	*15	*1.2	1,414	91.6	107	6.9	24	1.5
65-69	1,986	370	89.7	38	9.1	*5	*1.2	390	91.1	34	8.1	*3	*0.8

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 5: PREVALENCE OF WORK LIMITATION DUE TO CHRONIC CONDITIONS, BY DEGREE OF WORK LIMITATION, NEED FOR ASSISTANCE IN ACTIVITIES OF DAILY LIVING, AGE, AND GENDER: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, AGES 18-69, 1983-1985 (THREE-YEAR AVERAGE)--CONTINUED

	Degree of Work Limitation					
	Unable to work					
			Needing Assistance			
Characteristic	*Not Needing Assistance in IADL or ADL*		*In IADL Only*		*In ADL*	
	Number of persons in thousands and percent distribution					
All persons	6,896	69.4	2,086	21.0	957	9.6
Gender:						
Male	3,301	71.8	812	17.7	483	10.5
Female	3,595	67.3	1,274	23.8	474	8.9
Age group:						
18-24	343	69.8	87	17.8	61	12.4
25-44	1,413	68.2	450	21.7	209	10.1
45-64	3,601	69.0	1,138	21.8	483	9.3
65-69	1,539	71.5	410	19.1	204	9.5
Age group and gender: Male						
18-24	182	69.1	46	17.6	35	13.3
25-44	677	68.1	200	20.1	117	11.8
45-64	1,674	71.8	420	18.0	236	10.1
65-69	767	76.1	146	14.5	94	9.4
Female						
18-24	161	70.6	41	17.9	26	11.5
25-44	735	68.3	251	23.3	91	8.5
45-64	1,926	66.6	718	24.8	247	8.5
65-69	772	67.4	264	23.1	110	9.6

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 6A: PREVALENCE OF ACTIVITY LIMITATION DUE TO CHRONIC CONDITIONS, BY MAIN CAUSE OF LIMITATION, AGE, AND GENDER: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, 1983-1985 (THREE-YEAR AVERAGE)

Main Cause of Limitation	*All Ages*		*Under 18*		*18-44*		*45-69*		*70-84*		*85+*	
	Number of conditions in thousands and percent distribution											
All conditions	32,540	100.0	3,193	100.0	8,380	100.0	14,143	100.0	5,696	100.0	1,128	100.0
Skin and musculoskeletal												
Rheumatoid arthritis	526	1.6	*10	*0.3	108	1.3	310	2.2	91	1.6	*7	*0.6
Osteoarthritis/other arthropathies	3,474	10.7	*12	*0.4	348	4.2	1,905	13.5	1,006	17.7	203	18.0
Intervertebral disk disorders	1,424	4.4	*2	*0.0	628	7.5	712	5.0	77	1.3	*5	*0.5
Osteomyelitis/bone disorders	360	1.1	28	0.9	67	0.8	174	1.2	80	1.4	*12	*1.0
Bursitis	138	0.4	*1	*0.0	51	0.6	67	0.5	19	0.3	*1	*0.1
Psoriasis and dermatitis	106	0.3	*15	*0.5	49	0.6	38	0.3	*4	*0.1	.	.
Skin cancer	26	0.1	.	.	*7	*0.1	*14	*0.1	*5	*0.1	*1	*0.1
Bone cancer	43	0.1	*1	*0.0	*2	*0.0	21	0.1	18	0.3	*2	*0.2
Other skin and musculoskeletal	277	0.9	*6	*0.2	63	0.8	142	1.0	55	1.0	*11	*1.0
Impairments												
Absence of arm(s)/hand(s)	28	0.1	*5	*0.1	*10	*0.1	*9	*0.1	*4	*0.1	.	.
Absence of leg(s)	146	0.4	*2	*0.1	29	0.4	67	0.5	41	0.7	*6	*0.6
Absence of fingers, toes, feet	63	0.2	*3	*0.1	26	0.3	26	0.2	*7	*0.1	*1	*0.1
Other absence, NEC	110	0.3	*8	*0.2	33	0.4	51	0.4	18	0.3	.	.
Complete paralysis of extremities	216	0.7	*9	*0.3	72	0.9	101	0.7	30	0.5	*4	*0.4
Cerebral palsy	151	0.5	74	2.3	60	0.7	*16	*0.1	*1	*0.0	.	.
Partial paralysis of extremities	131	0.4	*6	*0.2	30	0.4	64	0.5	28	0.5	*4	*0.3
Paralysis of other sites	57	0.2	*9	*0.3	19	0.2	20	0.1	*6	*0.1	*3	*0.2
Curvature of back or spine	425	1.3	42	1.3	252	3.0	104	0.7	24	0.4	*1	*0.1
Other impairment of back	2,122	6.5	24	0.7	1,018	12.1	925	6.5	137	2.4	19	1.6
Spina bifida	32	0.1	*13	*0.4	*15	*0.2	*3	*0.0	*1	*0.0	.	.
Impairment of upper extremities	532	1.6	28	0.9	281	3.3	187	1.3	31	0.5	*6	*0.5
Impairment of lower extremities	1,973	6.1	155	4.9	832	9.9	623	4.4	285	5.0	78	6.9
Other orthopedic impairment	136	0.4	*6	*0.2	54	0.6	57	0.4	*16	*0.3	*3	*0.3
Speech impairment	239	0.7	202	6.3	21	0.3	*12	*0.1	*2	*0.0	*1	*0.1
Blind in both eyes	203	0.6	*10	*0.3	38	0.5	59	0.4	67	1.2	30	2.6
Cataracts	226	0.7	*5	*0.2	*15	*0.2	73	0.5	99	1.7	34	3.0
Glaucoma	134	0.4	.	.	*9	*0.1	52	0.4	59	1.0	*14	*1.2
Other visual impairment/eye disorders	875	2.7	82	2.6	256	3.1	266	1.9	192	3.4	80	7.1
Deaf in both ears	148	0.5	28	0.9	51	0.6	37	0.3	24	0.4	*8	*0.7
Other hearing impairment/ear disorders	665	2.0	200	6.3	167	2.0	171	1.2	98	1.7	29	2.6

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 6A: PREVALENCE OF ACTIVITY LIMITATION DUE TO CHRONIC CONDITIONS, BY MAIN CAUSE OF LIMITATION, AGE, AND GENDER: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, 1983-1985 (THREE-YEAR AVERAGE) –CONTINUED

Main Cause of Limitation	*All Ages*		*Under 18*		*18-44*		*45-69*		*70-84*		*85+*	
	Number of conditions in thousands and percent distribution											
Digestive												
Ulcers	126	0.4	*4	*0.1	38	0.5	66	0.5	18	0.3	*1	*0.1
Abdominal hernia	270	0.8	*7	*0.2	81	1.0	140	1.0	37	0.6	*5	*0.5
Enteritis and colitis	77	0.2	*3	*0.1	30	0.4	39	0.3	*4	*0.1	*1	*0.1
Cancer of digestive sites	127	0.4	*1	*0.0	*13	*0.2	79	0.6	29	0.5	*6	*0.5
Other digestive disorders	277	0.9	22	0.7	70	0.8	127	0.9	51	0.9	*7	*0.7
Circulatory												
Rheumatic fever	148	0.5	*6	*0.2	41	0.5	82	0.6	18	0.3	*1	*0.1
Ischemic heart disease	1,792	5.5	*1	*0.0	82	1.0	1,198	8.5	469	8.2	42	3.7
Heart rhythm disorders	324	1.0	28	0.9	53	0.6	151	1.1	84	1.5	*8	*0.8
Other heart disease	1,472	4.5	50	1.6	135	1.6	781	5.5	416	7.3	89	7.9
Hypertension	1,239	3.8	*7	*0.2	166	2.0	837	5.9	211	3.7	19	1.6
Cerebrovascular disease	610	1.9	*5	*0.2	24	0.3	261	1.8	270	4.7	50	4.5
Arteriosclerosis	167	0.5	.	.	*5	*0.1	77	0.5	60	1.1	25	2.2
Phlebitis, varicose veins	271	0.8	*2	*0.1	66	0.8	166	1.2	34	0.6	*3	*0.3
Other circulatory	308	0.9	*4	*0.1	40	0.5	163	1.2	88	1.5	*13	*1.2
Respiratory												
Chronic bronchitis	137	0.4	32	1.0	23	0.3	56	0.4	25	0.4	*2	*0.1
Asthma	1,411	4.3	568	17.8	467	5.6	302	2.1	70	1.2	*4	*0.3
Hay fever	183	0.6	61	1.9	94	1.1	25	0.2	*2	*0.0	.	.
Sinusitis	57	0.2	*10	*0.3	*12	*0.1	28	0.2	*7	*0.1	*1	*0.1
Emphysema	649	2.0	*1	*0.0	16	0.2	426	3.0	200	3.5	*5	*0.5
Lung or bronchial cancer	92	0.3	.	.	*3	*0.0	60	0.4	26	0.5	*2	*0.2
Other respiratory disease	321	1.0	32	1.0	46	0.5	171	1.2	70	1.2	*3	*0.3

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

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TABLE 6A: PREVALENCE OF ACTIVITY LIMITATION DUE TO CHRONIC CONDITIONS, BY MAIN CAUSE OF LIMITATION, AGE, AND GENDER: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, 1983-1985 (THREE-YEAR AVERAGE) –CONTINUED

Number of conditions in thousands and percent distribution

Main Cause of Limitation	*All Ages*		*Under 18*		*18-44*		*45-69*		*70-84*		*85+*	
Miscellaneous												
Diabetes	885	2.7	19	0.6	162	1.9	506	3.6	181	3.2	17	1.5
Anemias	100	0.3	25	0.8	32	0.4	28	0.2	*9	*0.2	*6	*0.5
Kidney disorders	146	0.4	*13	*0.4	46	0.5	67	0.5	18	0.3	*2	*0.2
Female genital disorders	141	0.4	*11	*0.3	68	0.8	55	0.4	*7	*0.1	.	.
Schizophrenia/other psychoses	204	0.6	18	0.6	109	1.3	67	0.5	*8	*0.1	*2	*0.2
Neuroses/personality disorders	302	0.9	45	1.4	126	1.5	111	0.8	18	0.3	*3	*0.2
Other mental illness	437	1.3	239	7.5	83	1.0	94	0.7	21	0.4	*1	*0.1
Alchohol or drug dependency	75	0.2	*9	*0.3	45	0.5	21	0.1	*1	*0.0	.	.
Mental retardation	947	2.9	573	18.0	299	3.6	68	0.5	*5	*0.1	*1	*0.1
Epilepsy	325	1.0	60	1.9	194	2.3	60	0.4	*11	*0.2	*1	*0.1
Multiple sclerosis	117	0.4	.	.	47	0.6	63	0.4	*7	*0.1	.	.
Senility	407	1.3	.	.	.	.	65	0.5	171	3.0	171	15.1
Parkinson's disease	99	0.3	.	.	*2	*0.0	39	0.3	49	0.9	*9	*0.8
Other nervous disorders	607	1.9	55	1.7	207	2.5	241	1.7	94	1.7	*10	*0.9
Tuberculosis (all sites)	80	0.2	*3	*0.1	24	0.3	40	0.3	*12	*0.2	.	.
Other infectious/parasitic diseases	97	0.3	*10	*0.3	46	0.6	25	0.2	*15	*0.3	*1	*0.1
Leukemia	40	0.1	*9	*0.3	*5	*0.1	17	0.1	*9	*0.2	.	.
Cancer of female breast	93	0.3	.	.	15	0.2	60	0.4	17	0.3	*2	*0.2
Cancer of genitourinary sites	105	0.3	*1	*0.0	17	0.2	60	0.4	25	0.4	*3	*0.2
Cancer of all other sites, NEC	144	0.4	*9	*0.3	31	0.4	78	0.5	23	0.4	*3	*0.2
Surgical/medical complications	211	0.6	*5	*0.2	53	0.6	110	0.8	37	0.6	*6	*0.5
Other injuries	207	0.6	18	0.6	82	1.0	73	0.5	25	0.4	*9	*0.8
Other ill-defined conditions	708	2.2	60	1.9	218	2.6	313	2.2	99	1.7	17	1.5
All other chronic conditions	1,015	3.1	182	5.7	354	4.2	341	2.4	118	2.1	*19	*1.7

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 6A: PREVALENCE OF ACTIVITY LIMITATION DUE TO CHRONIC CONDITIONS, BY MAIN CAUSE OF LIMITATION, AGE, AND GENDER: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, 1983-1985 (THREE-YEAR AVERAGE) –CONTINUED

	Males											
Main Cause of Limitation	***All Ages***		***Under 18***		***18-44***		***45-69***		***70-84***		***85+***	
	Number of conditions in thousands and percent distribution											
All conditions	15,178	100.0	1,900	100.0	4,236	100.0	6,469	100.0	2,235	100.0	340	100.0
Skin and musculoskeletal												
Rheumatoid arthritis	137	0.9	*3	*0.2	30	0.7	82	1.3	22	1.0	.	.
Osteoarthritis/other arthropathies	1,024	6.7	*5	*0.3	150	3.5	595	9.2	233	10.4	40	11.9
Intervertebral disk disorders	741	4.9	*2	*0.1	354	8.4	354	5.5	31	1.4	*1	*0.3
Osteomyelitis/bone disorders	109	0.7	*16	*0.8	31	0.7	49	0.8	*12	*0.5	.	.
Bursitis	54	0.4	*1	*0.0	21	0.5	24	0.4	*7	*0.3	.	.
Psoriasis and dermatitis	38	0.2	*6	*0.3	*15	*0.3	17	0.3	*1	*0.0	.	.
Skin cancer	*15	*0.1	.	.	*5	*0.1	*6	*0.1	*4	*0.2	.	.
Bone cancer	17	0.1	.	.	.	.	*9	*0.1	*8	*0.4	*1	*0.3
Other skin and musculoskeletal	118	0.8	*2	*0.1	27	0.6	61	0.9	24	1.1	*4	*1.2
Impairments												
Absence of arm(s)/hand(s)	24	0.2	*3	*0.2	*8	*0.2	*9	*0.1	*4	*0.2	.	.
Absence of leg(s)	103	0.7	*1	*0.1	26	0.6	48	0.7	24	1.1	*4	*1.2
Absence of fingers, toes, feet	48	0.3	0	0.0	23	0.5	22	0.3	*2	*0.1	*1	*0.3
Other absence, NEC	58	0.4	*5	*0.2	23	0.5	22	0.3	*8	*0.3	.	.
Complete paralysis of extremities	146	1.0	*3	*0.2	56	1.3	70	1.1	17	0.8	*1	*0.4
Cerebral palsy	78	0.5	41	2.1	29	0.7	*8	*0.1	.	.	.	.
Partial paralysis of extremities	82	0.5	*6	*0.3	26	0.6	36	0.6	*12	*0.6	*2	*0.7
Paralysis of other sites	33	0.2	*7	*0.4	*13	*0.3	*10	*0.2	*2	*0.1	*1	*0.4
Curvature of back or spine	144	1.0	*10	*0.5	99	2.3	30	0.5	*4	*0.2	*1	*0.2
Other impairment of back	1,020	6.7	*11	*0.6	506	11.9	450	7.0	49	2.2	*6	*1.7
Spina bifida	17	0.1	*7	*0.4	*8	*0.2	*2	*0.0	.	.	.	.
Impairment of upper extremities	332	2.2	19	1.0	193	4.6	110	1.7	*11	*.*5	.	.
Impairment of lower extremities	1,028	6.8	74	3.9	524	12.4	322	5.0	91	4.1	17	5.0
Other orthopedic impairment	66	0.4	*2	0.1	32	0.7	26	0.4	*5	*0.2	*1	*0.2
Speech impairment	155	1.0	136	7.2	*15	*0.4	*3	*0.0	*1	*0.0	*1	*0.4
Blind in both eyes	106	0.7	*7	*0.4	23	0.6	37	0.6	27	1.2	*11	*3.4
Cataracts	81	0.5	*2	*0.1	*9	*0.2	29	0.5	33	1.5	*7	*2.1
Glaucoma	56	0.4	.	.	*6	*0.1	23	0.4	18	0.8	*9	*2.5
Other visual impairment/eye disorders	461	3.0	49	2.6	175	4.1	137	2.1	76	3.4	24	6.9
Deaf in both ears	76	0.5	*14	*0.7	28	0.7	19	0.3	*11	*0.5	*5	*1.4
Other hearing impairment/ear disorders	367	2.4	115	6.1	101	2.4	88	1.4	50	2.2	*13	*3.9

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 6A: PREVALENCE OF ACTIVITY LIMITATION DUE TO CHRONIC CONDITIONS, BY MAIN CAUSE OF LIMITATION, AGE, AND GENDER: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, 1983-1985 (THREE-YEAR AVERAGE) –CONTINUED

	Males											
Main Cause of Limitation	***All Ages***		***Under 18***		***18-44***		***45-69***		***70-84***		***85+***	
	Number of conditions in thousands and percent distribution											
Digestive												
Ulcers	72	0.5	*2	*0.1	24	0.6	38	0.6	*8	*0.4	.	.
Abdominal hernia	145	1.0	*3	*0.2	45	1.1	70	1.1	23	1.0	*3	*0.9
Enteritis and colitis	27	0.2	*1	*0.0	*13	*0.3	*13	*0.2	1	0.1	.	.
Cancer of digestive sites	67	0.4	.	.	*7	*0.2	44	0.7	*11	*0.5	*5	*1.3
Other digestive disorders	107	0.7	*10	*0.5	24	0.6	55	0.8	17	0.7	*1	*0.2
Circulatory												
Rheumatic fever	34	0.2	*2	*0.1	*10	*0.2	20	0.3	*1	*0.1	.	.
Ischemic heart disease	1,090	7.2	*1	*0.0	62	1.5	788	12.2	227	10.2	*12	*3.6
Heart rhythm disorders	138	0.9	17	0.9	*15	*0.3	73	1.1	32	1.4	*1	*0.4
Other heart disease	709	4.7	30	1.6	52	1.2	419	6.5	179	8.0	29	8.5
Hypertension	406	2.7	*5	*0.3	52	1.2	270	4.2	76	3.4	*2	*0.6
Cerebrovascular disease	340	2.2	*2	*0.1	*10	0.2	163	2.5	145	6.5	19	5.5
Arteriosclerosis	91	0.6	.	.	*3	*0.1	53	0.8	27	1.2	*9	*2.5
Phlebitis, varicose veins	68	0.4	.	.	*15	*0.4	41	0.6	*11	*0.5	*1	*0.2
Other circulatory	164	1.1	*1	*0.1	*14	*0.3	93	1.4	48	2.1	*7	*2.2
Respiratory												
Chronic bronchitis	59	0.4	*16	*0.8	*10	*0.2	23	0.4	*11	*0.5	.	.
Asthma	657	4.3	343	18.1	183	4.3	104	1.6	26	1.2	.	.
Hay fever	92	0.6	38	2.0	47	1.1	*8	*0.1	.	.	.	.
Sinusitis	27	0.2	*5	*0.3	*5	*0.1	*11	*0.2	*5	*0.2	*1	*0.2
Emphysema	466	3.1	.	.	*10	*0.2	299	4.6	153	6.9	*3	*1.0
Lung or bronchial cancer	62	0.4	.	.	*2	*0.1	38	0.6	19	0.9	*2	*0.6
Other respiratory disease	209	1.4	19	1.0	26	0.6	108	1.7	54	2.4	*3	*0.8

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 6A: PREVALENCE OF ACTIVITY LIMITATION DUE TO CHRONIC CONDITIONS, BY MAIN CAUSE OF LIMITATION, AGE, AND GENDER: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, 1983-1985 (THREE-YEAR AVERAGE) –CONTINUED

	Males											
Main Cause of Limitation	***All Ages***		***Under 18***		***18-44***		***45-69***		***70-84***		***85+***	
	Number of conditions in thousands and percent distribution											
Miscellaneous												
Diabetes	346	2.3	*9	*0.5	82	1.9	202	3.1	48	2.1	*5	*1.6
Anemias	25	0.2	*10	*0.5	*7	*0.2	*2	*0.0	*3	*0.1	*2	*0.6
Kidney disorders	51	0.3	*5	*0.3	*14	*0.3	23	0.4	*7	*0.3	*1	*0.4
Female genital disorders	na	na	na	na	na	na	na	na	na	na	na	na
Schizophrenia/other psychoses	130	0.9	*15	*0.8	75	1.8	35	0.5	*4	*0.2	*1	*0.2
Neuroses/personality disorders	147	1.0	31	1.6	61	1.4	48	0.7	*7	*0.3	.	.
Other mental illness	274	1.8	180	9.5	41	1.0	46	0.7	*6	*0.3	.	.
Alchohol or drug dependency	56	0.4	*5	*0.3	32	0.7	18	0.3	*1	*0.0	.	.
Mental retardation	583	3.8	368	19.4	176	4.2	36	0.6	*2	*0.1	*1	*0.2
Epilepsy	186	1.2	33	1.7	110	2.6	37	0.6	*6	*0.3	.	.
Multiple sclerosis	40	0.3	.	.	*16	*0.4	22	0.3	*2	*0.1	.	.
Senility	141	0.9	.	.	.	.	*20	*0.3	70	3.1	51	15.1
Parkinson's disease	53	0.3	.	.	*2	*0.0	21	0.3	27	1.2	*3	*0.8
Other nervous disorders	250	1.6	34	1.8	84	2.0	87	1.3	38	1.7	*5	*1.5
Tuberculosis (all sites)	21	0.1	.	.	*7	*0.2	*11	*0.2	*3	*0.2	.	.
Other infectious/parasitic diseases	49	0.3	*6	*0.3	28	0.7	*12	*0.2	*3	*0.1	*1	*0.2
Leukemia	23	0.2	*7	*0.4	*2	*0.0	*10	*0.2	*5	*0.2	.	.
Cancer of genitourinary sites	49	0.3	*1	*0.0	*2	*0.1	25	0.4	19	0.9	*2	*0.5
Cancer of all other sites, NEC	75	0.5	*5	*0.3	*13	*0.3	44	0.7	*12	*0.5	*1	*0.2
Surgical/medical complications	76	0.5	*5	*0.3	22	0.5	37	0.6	*13	*0.6	*1	*0.2
Other injuries	103	0.7	*13	*0.7	47	1.1	30	0.5	*11	*0.5	*3	*0.9
Other ill-defined conditions	314	2.1	36	1.9	100	2.4	137	2.1	37	1.7	*5	*1.5
All other chronic conditions	423	2.8	96	5.1	132	3.1	135	2.1	48	2.1	*12	*3.4

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 6A: PREVALENCE OF ACTIVITY LIMITATION DUE TO CHRONIC CONDITIONS, BY MAIN CAUSE OF LIMITATION, AGE, AND GENDER: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, 1983-1985 (THREE-YEAR AVERAGE) –CONTINUED

	Females											
Main Cause of Limitation	***All Ages***		***Under 18***		***18-44***		***45-69***		***70-84***		***85+***	
	Number of conditions in thousands and percent distribution											
All conditions	17,362	100.0	1,293	100.0	4,144	100.0	7,675	100.0	3,461	100.0	789	100.0
Skin and musculoskeletal												
Rheumatoid arthritis	389	2.2	*7	*0.6	78	1.9	228	3.0	68	2.0	*7	*0.8
Osteoarthritis/other arthropathies	2,450	14.1	*6	*0.5	198	4.8	1,310	17.1	774	22.3	162	20.6
Intervertebral disk disorders	683	3.9	.	.	274	6.6	358	4.7	46	1.3	5	0.6
Osteomyelitis/bone disorders	251	1.4	*12	*0.9	35	0.9	124	1.6	67	1.9	*12	*1.5
Bursitis	85	0.5	*1	*0.0	30	0.7	43	0.6	*11	*0.3	*1	*0.1
Psoriasis and dermatitis	69	0.4	*10	*0.8	34	0.8	21	0.3	*3	*0.1	.	.
Skin cancer	*12	*0.1	.	.	*2	*0.1	*7	*0.1	*1	*0.0	*1	*0.1
Bone cancer	26	0.1	*1	*0.0	*2	*0.1	*12	*0.2	*10	*0.3	*1	*0.1
Other skin and musculoskeletal	159	0.9	*4	*0.3	36	0.9	81	1.1	31	0.9	*7	*0.9
Impairments												
Absence of arm(s)/hand(s)	*4	*0.0	*1	*0.1	*2	*0.0	*1	*0.0	.	.	.	.
Absence of leg(s)	43	0.2	*1	*0.0	*4	*0.1	19	0.2	17	0.5	*2	*0.3
Absence of fingers, toes, feet	*15	*0.1	*3	*0.2	*3	*0.1	*4	*0.1	*5	*0.2	.	.
Other absence, NEC	52	0.3	*3	*0.2	*10	*0.2	28	0.4	*10	*0.3	.	.
Complete paralysis of extremities	69	0.4	*6	*0.5	17	0.4	31	0.4	*13	*0.4	*3	*0.4
Cerebral palsy	73	0.4	34	2.6	31	0.7	*7	*0.1	*1	*0.0	.	.
Partial paralysis of extremities	50	0.3	.	.	*5	*0.1	28	0.4	*16	*0.5	*1	*0.1
Paralysis of other sites	24	0.1	*2	*0.2	*6	*0.2	*10	*0.1	*4	*0.1	*1	*0.2
Curvature of back or spine	280	1.6	32	2.5	153	3.7	74	1.0	20	0.6	*1	*0.1
Other impairment of back	1,102	6.3	*13	*1.0	512	12.3	476	6.2	89	2.6	*13	*1.6
Spina bifida	*15	*0.1	*7	*0.5	*7	*0.2	*1	*0.0	*1	*0.0	.	.
Impairment of upper extremities	200	1.2	*9	*0.7	88	2.1	77	1.0	20	0.6	*6	*0.7
Impairment of lower extremities	945	5.4	81	6.3	308	7.4	301	3.9	193	5.6	61	7.8
Other orthopedic impairment	70	0.4	*4	*0.3	22	0.5	31	0.4	*11	*0.3	*2	*0.3
Speech impairment	83	0.5	67	5.2	*7	*0.2	*8	*0.1	*2	*0.0	*1	*0.1
Blind in both eyes	98	0.6	*2	*0.2	*14	*0.3	22	0.3	40	1.2	18	2.3
Cataracts	145	0.8	*3	*0.2	*5	*0.1	44	0.6	66	1.9	27	3.4
Glaucoma	79	0.5	.	.	*3	*0.1	29	0.4	41	1.2	*5	*0.7
Other visual impairment/eye disorders	414	2.4	32	2.5	81	2.0	128	1.7	115	3.3	57	7.2
Deaf in both ears	72	0.4	*14	*1.1	23	0.6	18	0.2	*13	*0.4	*3	*0.4
Other hearing impairment/ear disorders	298	1.7	85	6.6	66	1.6	82	1.1	49	1.4	*16	*2.0

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 6A: PREVALENCE OF ACTIVITY LIMITATION DUE TO CHRONIC CONDITIONS, BY MAIN CAUSE OF LIMITATION, AGE, AND GENDER: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, 1983-1985 (THREE-YEAR AVERAGE) –CONTINUED

	Females											
Main Cause of Limitation	***All Ages***		***Under 18***		***18-44***		***45-69***		***70-84***		***85+***	
	Number of conditions in thousands and percent distribution											
Digestive												
Ulcers	54	0.3	*2	*0.2	*14	*0.3	27	0.4	*10	*0.3	*1	*0.1
Abdominal hernia	125	0.7	*3	*0.3	36	0.9	70	0.9	*14	*0.4	*2	*0.3
Enteritis and colitis	50	0.3	*2	*0.2	17	0.4	26	0.3	*3	*0.1	*1	*0.1
Cancer of digestive sites	60	0.3	*1	*0.1	*5	*0.1	35	0.5	17	0.5	*1	*0.2
Other digestive disorders	171	1.0	*12	*0.9	45	1.1	73	0.9	34	1.0	*7	*0.8
Circulatory												
Rheumatic fever	114	0.7	*4	*0.3	30	0.7	62	0.8	17	0.5	*1	*0.2
Ischemic heart disease	702	4.0	.	.	20	0.5	410	5.3	242	7.0	30	3.8
Heart rhythm disorders	186	1.1	*10	*0.8	38	0.9	78	1.0	52	1.5	*7	*0.9
Other heart disease	763	4.4	20	1.5	83	2.0	362	4.7	238	6.9	60	7.6
Hypertension	834	4.8	*2	*0.1	114	2.8	567	7.4	135	3.9	17	2.1
Cerebrovascular disease	270	1.6	*3	*0.2	*14	*0.3	97	1.3	125	3.6	31	4.0
Arteriosclerosis	76	0.4	.	.	*2	*0.0	24	0.3	33	1.0	*16	*2.1
Phlebitis, varicose veins	203	1.2	*2	*0.2	51	1.2	125	1.6	23	0.7	*3	*0.3
Other circulatory	144	0.8	*2	*0.2	26	0.6	70	0.9	40	1.1	*6	*0.8
Respiratory												
Chronic bronchitis	78	0.4	17	1.3	*13	*0.3	33	0.4	*14	*0.4	*2	*0.2
Asthma	754	4.3	225	17.4	284	6.8	198	2.6	43	1.3	*4	*0.4
Hay fever	91	0.5	23	1.8	48	1.2	18	0.2	*2	*0.1	.	.
Sinusitis	31	0.2	*4	*0.3	*7	*0.2	18	0.2	*2	*0.0	.	.
Emphysema	183	1.1	*1	*0.1	*6	*0.2	128	1.7	47	1.3	*2	*0.2
Lung or bronchial cancer	30	0.2	.	.	*1	*0.0	22	0.3	*7	*0.2	.	.
Other respiratory disease	112	0.6	*14	*1.1	19	0.5	62	0.8	17	0.5	.	.

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 6A: PREVALENCE OF ACTIVITY LIMITATION DUE TO CHRONIC CONDITIONS, BY MAIN CAUSE OF LIMITATION, AGE, AND GENDER: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, 1983-1985 (THREE-YEAR AVERAGE) –CONTINUED

	Females											
Main Cause of Limitation	***All Ages***		***Under 18***		***18-44***		***45-69***		***70-84***		***85+***	
	Number of conditions in thousands and percent distribution											
Miscellaneous												
Diabetes	539	3.1	*10	*0.8	79	1.9	304	4.0	134	3.9	*12	*1.5
Anemias	75	0.4	*16	*1.2	25	0.6	25	0.3	*6	*0.2	*4	*0.4
Kidney disorders	95	0.5	*8	*0.6	32	0.8	44	0.6	*10	*0.3	*1	*0.1
Female genital disorders	141	0.8	*11	*0.8	68	1.6	55	0.7	*7	*0.2	.	.
Schizophrenia/other psychoses	74	0.4	*3	*0.2	34	0.8	32	0.4	*4	*0.1	*2	*0.2
Neuroses/personality disorders	156	0.9	*13	*1.0	65	1.6	64	0.8	*11	*0.3	*3	*0.3
Other mental illness	164	0.9	58	4.5	41	1.0	48	0.6	*15	*0.4	*1	*0.1
Alchohol or drug dependency	20	0.1	*3	*0.3	*13	*0.3	*3	*0.0	.	.	.	.
Mental retardation	364	2.1	205	15.9	123	3.0	31	0.4	*3	*0.1	*1	*0.1
Epilepsy	139	0.8	27	2.1	84	2.0	23	0.3	*5	*0.1	*1	*0.1
Multiple sclerosis	78	0.4	.	.	31	0.8	41	0.5	*5	*0.1	.	.
Senility	266	1.5	.	.	.	.	45	0.6	102	2.9	119	15.1
Parkinson's disease	46	0.3	.	.	*1	*0.0	17	0.2	22	0.6	*6	*0.8
Other nervous disorders	359	2.1	21	1.6	122	2.9	155	2.0	56	1.6	*5	*0.6
Tuberculosis (all sites)	59	0.3	*3	*0.2	18	0.4	29	0.4	*9	*0.3	.	.
Other infectious/parasitic diseases	48	0.3	*4	*0.3	19	0.4	*13	*0.2	*12	*0.3	*1	*0.1
Leukemia	17	0.1	*2	*0.1	*4	*0.1	*7	*0.1	*4	*0.1	.	.
Cancer of female breast	93	0.5	.	.	*15	*0.4	60	0.8	17	0.5	*2	*0.3
Cancer of genitourinary sites	56	0.3	*1	*0.0	*14	*0.3	35	0.5	*6	*0.2	*1	*0.1
Cancer of all other sites, NEC	69	0.4	*4	*0.3	17	0.4	34	0.4	*11	*0.3	*2	*0.3
Surgical/medical complications	135	0.8	.	.	32	0.8	74	1.0	24	0.7	*5	*0.6
Other injuries	103	0.6	*5	*0.4	35	0.8	43	0.6	*14	*0.4	*6	*0.7
Other ill-defined conditions	393	2.3	24	1.9	118	2.8	177	2.3	62	1.8	*11	*1.4
All other chronic conditions	593	3.4	86	6.6	222	5.4	207	2.7	70	2.0	*7	*0.9

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 6B: PREVALENCE OF ACTIVITY LIMITATION DUE TO CHRONIC CONDITIONS, BY ALL CAUSES OF LIMITATION, AGE, AND GENDER: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, 1983-1985 (THREE-YEAR AVERAGE)

All Causes of Limitation	*All Ages*		*Under 18*		*18-44*		*45-69*		*70-84*		*85+*	
	Number of conditions in thousands and percent distribution											
All conditions	52,718	100.0	3,817	100.0	10,895	100.0	25,027	100.0	10,884	100.0	2,097	100.0
Skin and musculoskeletal												
Rheumatoid arthritis	646	1.2	*11	*0.3	121	1.1	388	1.5	118	1.1	*8	*0.4
Osteoarthritis/other arthropathies	5,484	10.4	*14	*0.4	469	4.3	3,099	12.4	1,594	14.6	308	14.7
Intervertebral disk disorders	1,699	3.2	*2	*0.0	668	6.1	904	3.6	117	1.1	*8	*0.4
Osteomyelitis/bone disorders	552	1.0	33	0.9	91	0.8	280	1.1	128	1.2	21	1.0
Bursitis	253	0.5	*1	*0.0	76	0.7	140	0.6	35	0.3	*1	*0.0
Psoriasis and dermatitis	189	0.4	31	0.8	75	0.7	69	0.3	*11	*0.1	*2	*0.1
Skin cancer	44	0.1	.	.	*8	*0.1	20	0.1	*13	*0.1	*3	*0.1
Bone cancer	52	0.1	*1	*0.0	*5	*0.0	24	0.1	20	0.2	*2	*0.1
Other skin and musculoskeletal	573	1.1	*13	*0.3	94	0.9	315	1.3	128	1.2	23	1.1
Impairments												
Absence of arm(s)/hand(s)	35	0.1	*5	*0.1	*10	*0.1	*13	*0.1	*7	*0.1	.	.
Absence of leg(s)	191	0.4	*2	*0.0	33	0.3	93	0.4	55	0.5	*8	*0.4
Absence of fingers, toes, feet	109	0.2	*6	*0.1	39	0.4	49	0.2	*13	*0.1	*2	*0.1
Other absence, NEC	186	0.4	*11	*0.3	47	0.4	88	0.4	39	0.4	*1	*0.0
Complete paralysis of extremities	373	0.7	*10	*0.3	93	0.9	172	0.7	82	0.8	*16	*0.8
Cerebral palsy	177	0.3	86	2.2	72	0.7	18	0.1	*1	*0.0	.	.
Partial paralysis of extremities	380	0.7	*9	*0.2	48	0.4	164	0.7	137	1.3	22	1.1
Paralysis of other sites	122	0.2	*13	0.4	25	0.2	53	0.2	25	0.2	*6	*0.3
Curvature of back or spine	534	1.0	56	1.5	287	2.6	155	0.6	33	0.3	*3	*0.1
Other impairment of back	2,593	4.9	26	0.7	1,154	10.6	1,186	4.7	200	1.8	27	1.3
Spina bifida	36	0.1	*14	*0.4	17	0.2	*5	*0.0	*1	*0.0	.	.
Impairment of upper extremities	822	1.6	35	0.9	361	3.3	341	1.4	73	0.7	*12	*0.6
Impairment of lower extremities	2,791	5.3	183	4.8	1,047	9.6	1,014	4.0	433	4.0	115	5.5
Other orthopedic impairment	211	0.4	*11	*0.3	75	0.7	84	0.3	32	0.3	*8	*0.4
Speech impairment	421	0.8	234	6.1	53	0.5	83	0.3	44	0.4	*7	*0.3
Blind in both eyes	301	0.6	*15	*0.4	53	0.5	88	0.4	100	0.9	46	2.2
Cataracts	572	1.1	*9	*0.2	25	0.2	189	0.8	256	2.3	93	4.4
Glaucoma	312	0.6	*1	*0.0	19	0.2	122	0.5	131	1.2	38	1.8
Other visual impairment/eye disorders	1,715	3.3	141	3.7	404	3.7	575	2.3	438	4.0	158	7.5
Deaf in both ears	221	0.4	31	0.8	56	0.5	62	0.2	50	0.5	21	1.0
Other hearing impairment/ear disorders	1,184	2.2	249	6.5	227	2.1	371	1.5	249	2.3	89	4.2

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

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TABLE 6B: PREVALENCE OF ACTIVITY LIMITATION DUE TO CHRONIC CONDITIONS, BY ALL CAUSES OF LIMITATION, AGE, AND GENDER: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, 1983-1985 (THREE-YEAR AVERAGE)--CONTINUED

Number of conditions in thousands and percent distribution

All Causes of Limitation	*All Ages*		*Under 18*		*18-44*		*45-69*		*70-84*		*85+*	
Digestive												
Ulcers	429	0.8	*6	*0.1	81	0.7	257	1.0	78	0.7	*8	*0.4
Abdominal hernia	595	1.1	*9	*0.2	105	1.0	336	1.3	128	1.2	17	0.8
Enteritis and colitis	138	0.3	*8	*0.2	43	0.4	75	0.3	*10	*0.1	*2	*0.1
Cancer of digestive sites	185	0.4	*1	*0.0	*14	*0.1	114	0.5	48	0.4	*9	*0.4
Other digestive disorders	775	1.5	36	0.9	142	1.3	387	1.5	176	1.6	34	1.6
Circulatory												
Rheumatic fever	204	0.4	*7	*0.2	52	0.5	114	0.5	27	0.3	*3	*0.1
Ischemic heart disease	2,423	4.6	*1	*0.0	97	0.9	1,581	6.3	683	6.3	61	2.9
Heart rhythm disorders	598	1.1	39	1.0	79	0.7	288	1.1	170	1.6	23	1.1
Other heart disease	2,350	4.5	67	1.8	187	1.7	1,230	4.9	714	6.6	151	7.2
Hypertension	3,506	6.6	*10	*0.3	311	2.9	2,313	9.2	780	7.2	92	4.4
Cerebrovascular disease	939	1.8	*6	*0.1	34	0.3	430	1.7	396	3.6	74	3.5
Arteriosclerosis	363	0.7	.	.	*6	*0.1	153	0.6	151	1.4	52	2.5
Phlebitis, varicose veins	470	0.9	*3	*0.1	84	0.8	307	1.2	70	0.6	*7	*0.3
Other circulatory	612	1.2	*4	*0.1	60	0.6	329	1.3	182	1.7	37	1.8
Respiratory												
Chronic bronchitis	301	0.6	40	1.0	41	0.4	151	0.6	62	0.6	*6	*0.3
Asthma	1,783	3.4	608	15.9	547	5.0	493	2.0	127	1.2	*8	*0.4
Hay fever	253	0.5	76	2.0	112	1.0	56	0.2	*9	*0.1	.	.
Sinusitis	135	0.3	*11	*0.3	23	0.2	69	0.3	28	0.3	*4	*0.2
Emphysema	994	1.9	*2	*0.0	29	0.3	650	2.6	297	2.7	*16	*0.8
Lung or bronchial cancer	125	0.2	.	.	*4	*0.0	81	0.3	39	0.4	*2	*0.1
Other respiratory disease	564	1.1	41	1.1	65	0.6	330	1.3	119	1.1	*8	*0.4

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 6B: PREVALENCE OF ACTIVITY LIMITATION DUE TO CHRONIC CONDITIONS, BY ALL CAUSES OF LIMITATION, AGE, AND GENDER: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, 1983-1985 (THREE-YEAR AVERAGE)–CONTINUED

Number of conditions in thousands and percent distribution

All Causes of Limitation	*All Ages*		*Under 18*		*18-44*		*45-69*		*70-84*		*85+*	
Miscellaneous												
Diabetes	2,111	4.0	23	0.6	222	2.0	1,284	5.1	535	4.9	47	2.2
Anemias	168	0.3	29	0.8	46	0.4	57	0.2	23	0.2	*13	*0.6
Kidney disorders	344	0.7	20	0.5	75	0.7	174	0.7	61	0.6	*14	*0.7
Female genital disorders	271	0.5	*12	*0.3	111	1.0	118	0.5	28	0.3	*1	*0.1
Schizophrenia/other psychoses	253	0.5	21	0.5	127	1.2	88	0.4	*13	*0.1	*4	*0.2
Neuroses/personality disorders	410	0.8	54	1.4	158	1.4	168	0.7	26	0.2	*3	*0.2
Other mental illness	601	1.1	269	7.1	124	1.1	162	0.6	44	0.4	*2	*0.1
Alchohol or drug dependency	104	0.2	*10	*0.3	56	0.5	36	0.1	*2	*0.0	.	.
Mental retardation	1,047	2.0	629	16.5	334	3.1	75	0.3	*7	*0.1	*2	*0.1
Epilepsy	444	0.8	78	2.0	244	2.2	105	0.4	*16	*0.1	*1	*0.1
Multiple sclerosis	127	0.2	.	.	53	0.5	66	0.3	*9	*0.1	.	.
Senility	469	0.9	.	.	.	.	81	0.3	201	1.8	187	8.9
Parkinson's disease	146	0.3	.	.	*4	*0.0	53	0.2	74	0.7	*15	*0.7
Other nervous disorders	884	1.7	70	1.8	279	2.6	388	1.6	133	1.2	*14	*0.7
Tuberculosis (all sites)	114	0.2	*3	*0.1	29	0.3	66	0.3	*15	*0.1	*1	*0.0
Other infectious/parasitic diseases	137	0.3	*11	*0.3	55	0.5	45	0.2	22	0.2	*3	*0.2
Leukemia	58	0.1	*9	*0.2	*7	*0.1	29	0.1	*13	*0.1	*1	*0.0
Cancer of female breast	159	0.3	.	.	19	0.2	101	0.4	34	0.3	*5	*0.2
Cancer of genitourinary sites	173	0.3	*2	*0.1	20	0.2	96	0.4	48	0.4	*8	*0.4
Cancer of all other sites, NEC	190	0.4	*10	*0.3	36	0.3	100	0.4	39	0.4	*5	*0.2
Surgical/medical complications	454	0.9	*10	*0.3	96	0.9	240	1.0	96	0.9	*13	*0.6
Other injuries	359	0.7	23	0.6	114	1.0	152	0.6	58	0.5	*12	*0.6
Other ill-defined conditions	1,361	2.6	78	2.0	334	3.1	681	2.7	228	2.1	40	1.9
All other chronic conditions	1,814	3.4	233	6.1	484	4.4	752	3.0	300	2.8	45	2.2

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 6B: PREVALENCE OF ACTIVITY LIMITATION DUE TO CHRONIC CONDITIONS, BY ALL CAUSES OF LIMITATION, AGE, AND GENDER: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, 1983-1985 (THREE-YEAR AVERAGE)--CONTINUED

	Males											
All Causes of Limitation	***All Ages***		***Under 18***		***18-44***		***45-69***		***70-84***		***85+***	
	Number of conditions in thousands and percent distribution											
All conditions	23,581	100.0	2,279	100.0	5,380	100.0	11,113	100.0	4,195	100.0	613	100.0
Skin and musculoskeletal												
Rheumatoid arthritis	172	0.7	*4	*0.2	33	0.6	104	0.9	31	0.7	.	.
Osteoarthritis/other arthropathies	1,686	7.1	*6	*0.3	190	3.5	1,016	9.1	412	9.8	62	10.1
Intervertebral disk disorders	887	3.8	*2	*0.1	379	7.0	453	4.1	52	1.2	*2	*0.3
Osteomyelitis/bone disorders	161	0.7	20	0.9	43	0.8	77	0.7	20	0.5	*1	*0.2
Bursitis	98	0.4	*1	*0.0	30	0.6	52	0.5	*15	*0.4	.	.
Psoriasis and dermatitis	73	0.3	18	0.8	21	0.4	29	0.3	*3	*0.1	*1	*0.1
Skin cancer	25	0.1	.	.	*6	*0.1	*11	*0.1	*6	*0.1	*2	*0.3
Bone cancer	21	0.1	.	.	*1	*0.0	*10	*0.1	*9	*0.2	*1	*0.2
Other skin and musculoskeletal	265	1.1	*5	*0.2	44	0.8	148	1.3	60	1.4	*8	*1.4
Impairments												
Absence of arm(s)/hand(s)	30	0.1	*3	*0.1	*8	*0.2	*13	*0.1	*6	*0.1	.	.
Absence of leg(s)	136	0.6	*1	*0.1	29	0.5	67	0.6	34	0.8	*5	*0.8
Absence of fingers, toes, feet	86	0.4	*2	*0.1	36	0.7	38	0.3	*7	*0.2	*2	*0.4
Other absence, NEC	93	0.4	*7	*0.3	28	0.5	43	0.4	*15	*0.4	.	.
Complete paralysis of extremities	232	1.0	*4	*0.2	67	1.2	108	1.0	45	1.1	*8	*1.3
Cerebral palsy	94	0.4	48	2.1	36	0.7	*10	*0.1	.	.	.	.
Partial paralysis of extremities	207	0.9	*7	*0.3	34	0.6	94	0.8	63	1.5	*9	*1.4
Paralysis of other sites	71	0.3	*9	*0.4	*16	*0.3	32	0.3	*10	*0.2	*3	*0.5
Curvature of back or spine	182	0.8	*15	*0.6	115	2.1	45	0.4	*6	*0.1	*1	*0.1
Other impairment of back	1,241	5.3	*12	*0.5	569	10.6	575	5.2	76	1.8	*9	*1.4
Spina bifida	19	0.1	*7	*0.3	*9	*0.2	*3	*0.0	.	.	.	.
Impairment of upper extremities	472	2.0	22	1.0	238	4.4	188	1.7	24	0.6	.	.
Impairment of lower extremities	1,437	6.1	90	3.9	646	12.0	529	4.8	146	3.5	26	4.3
Other orthopedic impairment	99	0.4	*4	*0.2	45	0.8	36	0.3	*10	*0.2	*4	*0.6
Speech impairment	273	1.2	157	6.9	35	0.7	51	0.5	27	0.6	2	0.3
Blind in both eyes	152	0.6	*11	*0.5	30	0.6	50	0.5	44	1.1	17	2.8
Cataracts	209	0.9	*5	*0.2	*13	*0.2	76	0.7	89	2.1	25	4.1
Glaucoma	122	0.5	*1	*0.1	*12	*0.2	49	0.4	44	1.1	*14	*2.3
Other visual impairment/eye disorders	842	3.6	90	3.9	267	5.0	274	2.5	167	4.0	46	7.4
Deaf in both ears	111	0.5	*15	*0.7	31	0.6	32	0.3	22	0.5	*10	*1.6
Other hearing impairment/ear disorders	641	2.7	141	6.2	141	2.6	197	1.8	128	3.1	33	5.4

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 6B: PREVALENCE OF ACTIVITY LIMITATION DUE TO CHRONIC CONDITIONS, BY ALL CAUSES OF LIMITATION, AGE, AND GENDER: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, 1983-1985 (THREE-YEAR AVERAGE)--CONTINUED

	Males											
All Causes of Limitation	***All Ages***		***Under 18***		***18-44***		***45-69***		***70-84***		***85+***	
	Number of conditions in thousands and percent distribution											
Digestive												
Ulcers	209	0.9	*3	*0.1	45	0.8	125	1.1	33	0.8	*2	*0.3
Abdominal hernia	272	1.2	*4	*0.2	55	1.0	153	1.4	51	1.2	*8	*1.3
Enteritis and colitis	42	0.2	*3	*0.1	*15	*0.3	20	0.2	*4	*0.1	.	.
Cancer of digestive sites	98	0.4	.	.	*8	*0.1	64	0.6	20	0.5	*5	*0.9
Other digestive disorders	267	1.1	*15	*0.7	50	0.9	141	1.3	54	1.3	*7	*1.1
Circulatory												
Rheumatic fever	48	0.2	*3	*0.1	*12	*0.2	28	0.3	*4	*0.1	.	.
Ischemic heart disease	1,395	5.9	*1	*0.0	72	1.3	998	9.0	311	7.4	*14	*2.3
Heart rhythm disorders	252	1.1	25	1.1	25	0.5	129	1.2	68	1.6	*5	*0.8
Other heart disease	1,073	4.5	42	1.8	71	1.3	627	5.6	286	6.8	47	7.6
Hypertension	1,172	5.0	*7	*0.3	105	2.0	807	7.3	236	5.6	*16	*2.6
Cerebrovascular disease	507	2.1	*2	*0.1	*14	*0.3	255	2.3	209	5.0	26	4.2
Arteriosclerosis	188	0.8	.	.	*4	*0.1	106	1.0	64	1.5	*14	*2.3
Phlebitis, varicose veins	124	0.5	*1	*0.0	20	0.4	77	0.7	26	0.6	*1	*0.1
Other circulatory	313	1.3	*1	*0.1	22	0.4	182	1.6	93	2.2	*15	*2.4
Respiratory												
Chronic bronchitis	122	0.5	19	0.8	*15	*0.3	64	0.6	23	0.6	.	.
Asthma	785	3.3	363	15.9	205	3.8	169	1.5	46	1.1	*2	*0.4
Hay fever	116	0.5	47	2.0	54	1.0	13	0.1	3	0.1	.	.
Sinusitis	58	0.2	*6	*0.3	*9	*0.2	26	0.2	*15	*0.4	*2	*0.3
Emphysema	683	2.9	*1	*0.0	17	0.3	445	4.0	207	4.9	*13	*2.2
Lung or bronchial cancer	87	0.4	.	.	*3	*0.1	53	0.5	29	0.7	*2	*0.3
Other respiratory disease	360	1.5	23	1.0	37	0.7	208	1.9	85	2.0	6	0.9

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

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TABLE 6B: PREVALENCE OF ACTIVITY LIMITATION DUE TO CHRONIC CONDITIONS, BY ALL CAUSES OF LIMITATION, AGE, AND GENDER: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, 1983-1985 (THREE-YEAR AVERAGE)--CONTINUED

	Males											
All Causes of Limitation	*All Ages*		*Under 18*		*18-44*		*45-69*		*70-84*		*85+*	
	Number of conditions in thousands and percent distribution											
Miscellaneous												
Diabetes	830	3.5	*10	*0.4	107	2.0	528	4.7	170	4.1	*15	*2.4
Anemias	42	0.2	*11	*0.5	*10	*0.2	*11	*0.1	*6	*0.1	*3	*0.6
Kidney disorders	123	0.5	*9	*0.4	24	0.4	63	0.6	24	0.6	*4	*0.6
Female genital disorders	na	na	na	na	na	na	na	na	na	na	na	na
Schizophrenia/other psychoses	158	0.7	*16	*0.7	88	1.6	44	0.4	*7	*0.2	*2	*0.3
Neuroses/personality disorders	193	0.8	37	1.6	77	1.4	68	0.6	*10	*0.3	.	.
Other mental illness	355	1.5	207	9.1	59	1.1	73	0.7	*15	*0.4	.	.
Alchohol or drug dependency	77	0.3	*6	*0.3	39	0.7	30	0.3	*2	*0.0	.	.
Mental retardation	646	2.7	407	17.9	195	3.6	39	0.3	*3	*0.1	*1	*0.2
Epilepsy	257	1.1	41	1.8	136	2.5	68	0.6	*10	*0.2	*1	*0.1
Multiple sclerosis	47	0.2	.	.	20	0.4	23	0.2	*3	*0.1	.	.
Senility	162	0.7	.	.	.	.	24	0.2	80	1.9	58	9.4
Parkinson's disease	80	0.3	.	.	*2	*0.0	30	0.3	44	1.0	*4	*0.6
Other nervous disorders	344	1.5	44	1.9	107	2.0	135	1.2	52	1.2	6	0.9
Tuberculosis (all sites)	34	0.1	.	.	*8	*0.2	21	0.2	*4	*0.1	.	.
Other infectious/parasitic diseases	69	0.3	*6	*0.3	33	0.6	23	0.2	*6	*0.1	*1	*0.1
Leukemia	31	0.1	*7	*0.3	*2	*0.0	*15	*0.1	*7	*0.2	*1	*0.1
Cancer of genitourinary sites	91	0.4	*1	*0.0	*2	*0.0	46	0.4	37	0.9	*5	*0.8
Cancer of all other sites, NEC	99	0.4	*6	*0.3	*16	*0.3	56	0.5	20	0.5	*1	*0.1
Surgical/medical complications	167	0.7	*6	*0.3	38	0.7	80	0.7	39	0.9	*4	*0.6
Other injuries	178	0.8	*15	*0.6	68	1.3	69	0.6	22	0.5	*4	*0.6
Other ill-defined conditions	551	2.3	43	1.9	150	2.8	273	2.5	75	1.8	*12	*1.9
All other chronic conditions	741	3.1	132	5.8	185	3.4	288	2.6	118	2.8	18	3.0

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 6B: PREVALENCE OF ACTIVITY LIMITATION DUE TO CHRONIC CONDITIONS, BY ALL CAUSES OF LIMITATION, AGE, AND GENDER: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, 1983-1985 (THREE-YEAR AVERAGE)–CONTINUED

	Females											
All Causes of Limitation	***All Ages***		***Under 18***		***18-44***		***45-69***		***70-84***		***85+***	
	Number of conditions in thousands and percent distribution											
All conditions	29,136	100.0	1,537	100.0	5,514	100.0	13,913	100.0	6,689	100.0	1,482	100.0
Skin and musculoskeletal												
Rheumatoid arthritis	474	1.6	*7	*0.5	88	1.6	284	2.0	87	1.3	*8	*0.5
Osteoarthritis/other arthropathies	3,797	13.0	*8	*0.5	279	5.1	2,083	15.0	1,181	17.7	245	16.6
Intervertebral disk disorders	812	2.8	.	.	289	5.2	451	3.2	65	1.0	*6	*0.4
Osteomyelitis/bone disorders	391	1.3	*13	*0.8	49	0.9	203	1.5	108	1.6	19	1.3
Bursitis	155	0.5	*1	*0.0	46	0.8	87	0.6	20	0.3	*1	*0.0
Psoriasis and dermatitis	116	0.4	*13	*0.8	54	1.0	40	0.3	*8	*0.1	*1	*0.1
Skin cancer	18	0.1	.	.	*2	*0.0	*8	*0.1	*7	*0.1	*1	*0.0
Bone cancer	31	0.1	*1	*0.0	*4	*0.1	*14	*0.1	*11	*0.2	*1	*0.1
Other skin and musculoskeletal	308	1.1	*8	*0.5	50	0.9	168	1.2	68	1.0	*14	*1.0
Imp[illegible]ts												
A[illegible]rm(s)/hand(s)	*5	*0.0	*1	*0.1	*2	*0.0	*1	*0.0	*1	*0.0	.	.
A[illegible](s)	55	0.2	*1	*0.0	*5	*0.1	26	0.2	21	0.3	*2	*0.2
[illegible]gers, toes, feet	24	0.1	*4	*0.2	*3	*0.1	*11	*0.1	*6	*0.1	.	.
[illegible], NEC	92	0.3	*4	*0.2	19	0.3	45	0.3	24	0.4	*1	*0.0
C[illegible]lysis of extremities	141	0.5	*7	*0.5	26	0.5	64	0.5	38	0.6	*9	*0.6
Ce[illegible]	83	0.3	37	2.4	36	0.7	*8	*0.1	*1	*0.0	.	.
Par[illegible]sis of extremities	172	0.6	*1	*0.1	*14	*0.2	70	0.5	74	1.1	*14	*0.9
Paral[illegible] other sites	51	0.2	*4	*0.3	*9	*0.2	20	0.1	*15	*0.2	*3	*0.2
Curvat[illegible] back or spine	352	1.2	42	2.7	172	3.1	109	0.8	27	0.4	*2	*0.1
Other impairment of back	1,352	4.6	*14	*0.9	585	10.6	611	4.4	123	1.8	18	1.2
Spina bifida	18	0.1	*7	*0.5	*8	*0.1	*2	*0.0	*1	*0.0	.	.
Impairment of upper extremities	350	1.2	*13	*0.9	122	2.2	153	1.1	49	0.7	*12	*0.8
Impairment of lower extremities	1,354	4.6	94	6.1	401	7.3	484	3.5	287	4.3	88	5.9
Other orthopedic impairment	111	0.4	*7	*0.5	30	0.5	48	0.3	22	0.3	*4	*0.3
Speech impairment	148	0.5	77	5.0	18	0.3	31	0.2	17	0.3	*5	*0.3
Blind in both eyes	149	0.5	*4	*0.3	23	0.4	38	0.3	55	0.8	29	1.9
Cataracts	363	1.2	*3	*0.2	*12	*0.2	113	0.8	166	2.5	67	4.5
Glaucoma	190	0.7	.	.	*7	*0.1	72	0.5	87	1.3	24	1.6
Other visual impairment/eye disorders	872	3.0	51	3.3	137	2.5	300	2.2	271	4.1	112	7.6
Deaf in both ears	110	0.4	*15	*1.0	25	0.5	30	0.2	28	0.4	*11	*0.8
Other hearing impairment/ear disorders	543	1.9	108	7.0	86	1.6	174	1.3	121	1.8	55	3.7

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 6B: PREVALENCE OF ACTIVITY LIMITATION DUE TO CHRONIC CONDITIONS, BY ALL CAUSES OF LIMITATION, AGE, AND GENDER: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, 1983-1985 (THREE-YEAR AVERAGE)--CONTINUED

	Females											
All Causes of Limitation	***All Ages***		***Under 18***		***18-44***		***45-69***		***70-84***		***85+***	
	Number of conditions in thousands and percent distribution											
Digestive												
Ulcers	221	0.8	*3	*0.2	36	0.6	132	0.9	45	0.7	*6	*0.4
Abdominal hernia	323	1.1	*4	*0.3	50	0.9	183	1.3	76	1.1	*9	*0.6
Enteritis and colitis	96	0.3	*4	*0.3	29	0.5	55	0.4	*6	*0.1	*2	*0.1
Cancer of digestive sites	88	0.3	*1	*0.1	*6	*0.1	50	0.4	27	0.4	*4	*0.2
Other digestive disorders	508	1.7	21	1.3	92	1.7	246	1.8	122	1.8	27	1.8
Circulatory												
Rheumatic fever	156	0.5	*4	*0.3	40	0.7	86	0.6	24	0.4	*3	*0.2
Ischemic heart disease	1,028	3.5	.	.	25	0.5	583	4.2	372	5.6	47	3.2
Heart rhythm disorders	346	1.2	*14	*0.9	53	1.0	159	1.1	101	1.5	18	1.2
Other heart disease	1,277	4.4	25	1.6	117	2.1	603	4.3	428	6.4	104	7.0
Hypertension	2,334	8.0	*2	*0.2	206	3.7	1,506	10.8	544	8.1	76	5.1
Cerebrovascular disease	432	1.5	*3	*0.2	19	0.4	175	1.3	186	2.8	48	3.2
Arteriosclerosis	174	0.6	.	.	*2	*0.0	47	0.3	87	1.3	38	2.5
Phlebitis, varicose veins	347	1.2	*2	*0.1	64	1.2	230	1.6	44	0.7	*6	*0.4
Other circulatory	299	1.0	*3	*0.2	38	0.7	147	1.1	89	1.3	22	1.5
Respiratory												
Chronic bronchitis	179	0.6	21	1.4	27	0.5	87	0.6	39	0.6	*6	*0.4
Asthma	998	3.4	245	15.9	342	6.2	325	2.3	81	1.2	*6	*0.4
Hay fever	137	0.5	30	1.9	58	1.1	43	0.3	6	0.1	.	.
Sinusitis	77	0.3	*4	*0.3	*14	*0.3	42	0.3	*13	*0.2	*2	*0.1
Emphysema	311	1.1	*1	*0.0	*12	*0.2	205	1.5	91	1.4	*3	*0.2
Lung or bronchial cancer	38	0.1	.	.	*1	*0.0	28	0.2	*10	*0.1	.	.
Other respiratory disease	204	0.7	17	1.1	28	0.5	123	0.9	34	0.5	*3	*0.2

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 6B: PREVALENCE OF ACTIVITY LIMITATION DUE TO CHRONIC CONDITIONS, BY ALL CAUSES OF LIMITATION, AGE, AND GENDER: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, 1983-1985 (THREE-YEAR AVERAGE)–CONTINUED

	Females											
All Causes of Limitation	***All Ages***		***Under 18***		***18-44***		***45-69***		***70-84***		***85+***	
	Number of conditions in thousands and percent distribution											
Miscellaneous												
Diabetes	1,281	4.4	*12	*0.8	115	2.1	756	5.4	365	5.5	32	2.2
Anemias	126	0.4	18	1.2	36	0.7	46	0.3	17	0.3	*9	*0.6
Kidney disorders	221	0.8	*11	*0.7	51	0.9	111	0.8	38	0.6	*11	*0.7
Female genital disorders	270	0.9	*12	*0.8	111	2.0	118	0.8	28	0.4	*1	*0.1
Schizophrenia/other psychoses	95	0.3	*4	*0.3	39	0.7	44	0.3	*6	*0.1	*2	*0.2
Neuroses/personality disorders	216	0.7	17	1.1	80	1.5	100	0.7	*16	*0.2	*3	*0.2
Other mental illness	246	0.8	62	4.0	65	1.2	89	0.6	29	0.4	*2	*0.1
Alchohol or drug dependency	27	0.1	*3	*0.2	17	0.3	*7	*0.0	.	.	.	.
Mental retardation	401	1.4	222	14.4	139	2.5	36	0.3	*4	*0.1	*1	*0.0
Epilepsy	187	0.6	37	2.4	107	1.9	37	0.3	*6	*0.1	*1	*0.0
Multiple sclerosis	81	0.3	.	.	33	0.6	43	0.3	*5	*0.1	.	.
Senility	306	1.1	.	.	.	.	57	0.4	120	1.8	129	8.7
Parkinson's disease	66	0.2	.	.	*1	*0.0	23	0.2	30	0.5	*12	*0.8
Other nervous disorders	540	1.9	24	1.6	172	3.1	255	1.8	81	1.2	*7	*0.5
Tuberculosis (all sites)	80	0.3	*3	*0.2	20	0.4	44	0.3	*12	*0.2	*1	*0.1
Other infectious/parasitic diseases	68	0.2	*5	*0.3	22	0.4	22	0.2	17	0.2	*3	*0.2
Leukemia	27	0.1	*2	*0.1	*5	*0.1	*14	*0.1	*7	*0.1	.	.
Cancer of female breast	159	0.5	.	.	19	0.3	101	0.7	34	0.5	*5	*0.3
Cancer of genitourinary sites	82	0.3	*1	*0.1	18	0.3	50	0.4	*11	*0.2	*3	*0.2
Cancer of all other sites, NEC	91	0.3	*4	*0.3	20	0.4	45	0.3	18	0.3	*4	*0.3
Surgical/medical complications	287	1.0	*4	*0.2	57	1.0	159	1.1	57	0.9	*9	*0.6
Other injuries	182	0.6	*9	*0.6	46	0.8	82	0.6	36	0.5	*9	*0.6
Other ill-defined conditions	810	2.8	35	2.3	184	3.3	409	2.9	153	2.3	28	1.9
All other chronic conditions	1,074	3.7	101	6.6	299	5.4	465	3.3	182	2.7	27	1.8

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

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TABLE 7A: PREVALENCE OF WORK LIMITATION DUE TO CHRONIC CONDITIONS, BY MAIN CAUSE OF LIMITATION, AGE, AND GENDER: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION , AGES 18-69, 1983-1985 (THREE-YEAR AVERAGE)

							Males					
Main Cause of Limitation	*All Ages*		*18-44*		*45-69*		*All Ages*		*18-44*		*45-69*	
	Number of conditions in thousands and percent distribution											
All conditions	17,395	100.0	5,983	100.0	11,412	100.0	8,461	100.0	3,059	100.0	5,402	100.0
Skin and musculoskeletal												
Rheumatoid arthritis	324	1.9	77	1.3	247	2.2	94	1.1	25	0.8	69	1.3
Osteoarthritis/other arthropathies	1,692	9.7	225	3.8	1,468	12.9	576	6.8	94	3.1	482	8.9
Intervertebral disk disorders	1,068	6.1	504	8.4	563	4.9	584	6.9	296	9.7	288	5.3
Osteomyelitis/bone disorders	176	1.0	46	0.8	130	1.1	59	0.7	20	0.7	39	0.7
Bursitis	72	0.4	30	0.5	42	0.4	26	0.3	*13	*0.4	*13	*0.2
Psoriasis and dermatitis	58	0.3	26	0.4	32	0.3	21	0.3	*7	*0.2	*14	*0.3
Skin cancer	*13	*0.1	*2	*0.0	*11	*0.1	*5	*0.1	*1	*0.0	*5	*0.1
Bone cancer	22	0.1	*2	*0.0	20	0.2	*8	*0.1	.	.	*8	*0.1
Other skin and musculoskeletal	148	0.8	38	0.6	110	1.0	58	0.7	*16	*0.5	42	0.8
Impairments												
Absence of arm(s)/hand(s)	*14	*0.1	*9	*0.1	*6	*0.0	*12	*0.1	*7	*0.2	*6	*0.1
Absence of leg(s)	85	0.5	25	0.4	61	0.5	64	0.8	22	0.7	43	0.8
Absence of fingers, toes,feet	39	0.2	19	0.3	19	0.2	33	0.4	17	0.6	*16	*0.3
Other absence, NEC	60	0.3	24	0.4	35	0.3	33	0.4	17	0.5	*16	*0.3
Complete paralysis of extremities	159	0.9	68	1.1	91	0.8	116	1.4	52	1.7	64	1.2
Cerebral palsy	69	0.4	55	0.9	*14	*0.1	36	0.4	28	0.9	*8	*0.1
Partial paralysis of extremities	83	0.5	29	0.5	54	0.5	55	0.7	25	0.8	30	0.6
Paralysis of other sites	35	0.2	18	0.3	17	0.2	22	0.3	*13	*0.4	*10	*0.2
Curvature of back or spine	271	1.6	183	3.1	88	0.8	100	1.2	77	2.5	23	0.4
Other impairment of back	1,424	8.2	727	12.1	697	6.1	716	8.5	362	11.8	354	6.6
Spina bifida	*14	*0.1	*12	*0.2	*3	*0.0	*7	*0.1	*5	*0.2	*2	*0.0
Impairment of upper extremities	330	1.9	192	3.2	138	1.2	210	2.5	126	4.1	85	1.6
Impairment of lower extremities	883	5.1	440	7.3	443	3.9	501	5.9	269	8.8	232	4.3
Other orthopedic impairment	87	0.5	39	0.6	49	0.4	48	0.6	24	0.8	23	0.4
Speech impairment	31	0.2	19	0.3	*12	*0.1	17	0.2	*14	*0.5	*4	*0.1
Blind in both eyes	91	0.5	35	0.6	56	0.5	56	0.7	21	0.7	35	0.6
Cataracts	67	0.4	*12	*0.2	54	0.5	29	0.3	*8	*0.2	22	0.4
Glaucoma	52	0.3	*7	*0.1	45	0.4	26	0.3	*4	*0.1	22	0.4
Other visual impairment/eye disorders	385	2.2	168	2.8	217	1.9	219	2.6	114	3.7	105	1.9
Deaf in both ears	76	0.4	47	0.8	29	0.3	40	0.5	25	0.8	*15	*0.3
Other hearing impairment/ear disorders	210	1.2	89	1.5	120	1.1	107	1.3	45	1.5	62	1.1

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 7A: PREVALENCE OF WORK LIMITATION DUE TO CHRONIC CONDITIONS, BY MAIN CAUSE OF LIMITATION, AGE, AND GENDER: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION , AGES 18-69, 1983-1985 (THREE-YEAR AVERAGE)--CONTINUED

							Males					
Main Cause of Limitation	*All Ages*		*18-44*		*45-69*		*All Ages*		*18-44*		*45-69*	
	Number of conditions in thousands and percent distribution											
Digestive												
Ulcers	82	0.5	26	0.4	56	0.5	49	0.6	*15	*0.5	34	0.6
Hernia	167	1.0	61	1.0	106	0.9	86	1.0	33	1.1	53	1.0
Enteritis and colitis	56	0.3	23	0.4	33	0.3	20	0.2	*11	*0.3	*9	*0.2
Cancer of digestive sites	82	0.5	*12	*0.2	70	0.6	46	0.5	*6	*0.2	39	0.7
Other digestive disorders	152	0.9	48	0.8	104	0.9	67	0.8	18	0.6	50	0.9
Circulatory												
Rheumatic fever	96	0.5	32	0.5	64	0.6	26	0.3	*9	*0.3	18	0.3
Ischemic heart disease	1,109	6.4	70	1.2	1,039	9.1	746	8.8	53	1.7	693	12.8
Heart rhythm disorders	148	0.8	30	0.5	117	1.0	69	0.8	*9	*0.3	60	1.1
Other heart disease	780	4.5	98	1.6	682	6.0	414	4.9	39	1.3	375	6.9
Hypertension	757	4.3	115	1.9	642	5.6	254	3.0	36	1.2	218	4.0
Cerebrovascular disease	263	1.5	20	0.3	243	2.1	166	2.0	*9	*0.3	157	2.9
Arteriosclerosis	67	0.4	*5	*0.1	62	0.5	49	0.6	*3	*0.1	46	0.8
Phlebitis, varicose veins	183	1.1	47	0.8	136	1.2	42	0.5	*10	*0.3	33	0.6
Other circulatory	167	1.0	30	0.5	138	1.2	88	1.0	*11	*0.4	77	1.4
Respiratory												
Chronic bronchitis	55	0.3	*14	*0.2	41	0.4	28	0.3	*6	*0.2	22	0.4
Asthma	491	2.8	270	4.5	221	1.9	185	2.2	109	3.6	76	1.4
Hay fever	65	0.4	51	0.9	*14	*0.1	29	0.3	28	0.9	*1	*0.0
Sinusitis	30	0.2	*7	*0.1	23	0.2	*11	*0.1	*3	*0.1	*9	*0.2
Emphysema	379	2.2	*13	*0.2	366	3.2	271	3.2	*8	*0.3	264	4.9
Lung or bronchial cancer	57	0.3	*2	*0.0	55	0.5	37	0.4	*2	*0.0	36	0.7
Other respiratory disease	175	1.0	31	0.5	145	1.3	110	1.3	18	0.6	93	1.7

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 7A: PREVALENCE OF WORK LIMITATION DUE TO CHRONIC CONDITIONS, BY MAIN CAUSE OF LIMITATION, AGE, AND GENDER: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION , AGES 18-69, 1983-1985 (THREE-YEAR AVERAGE)--CONTINUED

							Males					
Main Cause of Limitation	***All Ages***		***18-44***		***45-69***		***All Ages***		***18-44***		***45-69***	
	Number of conditions in thousands and percent distribution											
Miscellaneous												
Diabetes	516	3.0	119	2.0	396	3.5	228	2.7	62	2.0	165	3.1
Anemias	44	0.3	20	0.3	23	0.2	*6	*0.1	*4	*0.1	*2	*0.0
Kidney disorders	90	0.5	34	0.6	57	0.5	32	0.4	*12	*0.4	19	0.4
Female genital disorders	84	0.5	48	0.8	36	0.3	.	.	.	.	.	.
Schizophrenia/other psychoses	174	1.0	106	1.8	68	0.6	108	1.3	73	2.4	35	0.7
Neuroses/personality disorders	229	1.3	123	2.1	106	0.9	107	1.3	60	2.0	46	0.9
Other mental illness	156	0.9	71	1.2	85	0.7	77	0.9	35	1.1	42	0.8
Alchohol or drug dependency	60	0.3	39	0.7	21	0.2	46	0.5	27	0.9	18	0.3
Mental retardation	350	2.0	283	4.7	68	0.6	201	2.4	164	5.4	36	0.7
Epilepsy	212	1.2	159	2.7	53	0.5	126	1.5	92	3.0	34	0.6
Multiple sclerosis	92	0.5	39	0.7	53	0.5	35	0.4	*15	*0.5	20	0.4
Senility	53	0.3	.	.	53	0.5	17	0.2	.	.	17	0.3
Parkinson's disease	37	0.2	*2	*0.0	36	0.3	22	0.3	*2	*0.0	21	0.4
Other nervous disorders	359	2.1	156	2.6	202	1.8	141	1.7	67	2.2	74	1.4
Tuberculosis (all sites)	55	0.3	22	0.4	34	0.3	*14	*0.2	*7	*0.2	*8	*0.1
Other infectious/parasitic diseases	49	0.3	31	0.5	18	0.2	26	0.3	17	0.6	*9	*0.2
Leukemia	22	0.1	*4	*0.1	17	0.1	*11	*0.1	*2	*0.0	*10	*0.2
Cancer of female breast	61	0.4	13	0.2	49	0.4	na	na	na	na	na	na
Cancer of genitourinary sites	66	0.4	*9	*0.2	57	0.5	25	0.3	*1	*0.0	24	0.4
Cancer of all other sites, NEC	90	0.5	20	0.3	70	0.6	48	0.6	*9	*0.3	39	0.7
Surgical/medical complications	129	0.7	40	0.7	89	0.8	51	0.6	19	0.6	32	0.6
Other injuries	115	0.7	60	1.0	55	0.5	56	0.7	32	1.0	24	0.4
Other ill-defined conditions	448	2.6	171	2.9	277	2.4	205	2.4	83	2.7	121	2.2
All other chronic conditions	509	2.9	245	4.1	264	2.3	206	2.4	97	3.2	109	2.0

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 7A: PREVALENCE OF WORK LIMITATION DUE TO CHRONIC CONDITIONS, BY MAIN CAUSE OF LIMITATION, AGE, AND GENDER: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION , AGES 18-69, 1983-1985 (THREE-YEAR AVERAGE)--CONTINUED

Main Cause of Limitation	*Females*					
	All Ages		*18-44*		*45-69*	
	Number of conditions in thousands and percent distribution					
All conditions	8,934	100.0	2,924	100.0	6,010	100.0
Skin and musculoskeletal						
Rheumatoid arthritis	230	2.6	52	1.8	178	3.0
Osteoarthritis/other arthropathies	1,116	12.5	130	4.5	986	16.4
Intervertebral disk disorders	484	5.4	208	7.1	275	4.6
Osteomyelitis/bone disorders	117	1.3	26	0.9	91	1.5
Bursitis	46	0.5	17	0.6	29	0.5
Psoriasis and dermatitis	37	0.4	19	0.7	18	0.3
Skin cancer	*8	*0.1	*1	*0.0	*6	*0.1
Bone cancer	*14	*0.2	*2	*0.1	*12	*0.2
Other skin and musculoskeletal	89	1.0	21	0.7	68	1.1
Impairments						
Absence of arm(s)/hand(s)	*2	*0.0	*2	*0.1	.	.
Absence of leg(s)	21	0.2	*3	*0.1	18	0.3
Absence of fingers, toes,feet	*6	*0.1	*2	*0.1	*4	*0.1
Other absence, NEC	27	0.3	*8	*0.3	19	0.3
Complete paralysis of extremities	44	0.5	16	0.5	27	0.4
Cerebral palsy	33	0.4	27	0.9	*6	*0.1
Partial paralysis of extremities	28	0.3	*4	*0.1	23	0.4
Paralysis of other sites	*13	*0.1	*6	*0.2	*7	*0.1
Curvature of back or spine	171	1.9	106	3.6	65	1.1
Other impairment of back	708	7.9	365	12.5	343	5.7
Spina bifida	*7	*0.1	*6	*0.2	*1	*0.0
Impairment of upper extremities	120	1.3	67	2.3	53	0.9
Impairment of lower extremities	381	4.3	170	5.8	211	3.5
Other orthopedic impairment	40	0.4	*15	*0.5	25	0.4
Speech impairment	*15	*0.2	*6	*0.2	*9	*0.1
Blind in both eyes	36	0.4	*14	*0.5	21	0.4
Cataracts	37	0.4	*5	*0.2	32	0.5
Glaucoma	26	0.3	*3	*0.1	23	0.4
Other visual impairment/eye disorders	166	1.9	54	1.8	113	1.9
Deaf in both ears	36	0.4	21	0.7	*15	*0.2
Other hearing impairment/ear disorders	103	1.2	45	1.5	59	1.0

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 7A: PREVALENCE OF WORK LIMITATION DUE TO CHRONIC CONDITIONS, BY MAIN CAUSE OF LIMITATION, AGE, AND GENDER: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION , AGES 18-69, 1983-1985 (THREE-YEAR AVERAGE)--CONTINUED

	Females					
Main Cause of Limitation	***All Ages***		***18-44***		***45-69***	
	Number of conditions in thousands and percent distribution					
Digestive						
Ulcers	32	0.4	*11	*0.4	22	0.4
Hernia	81	0.9	28	1.0	53	0.9
Enteritis and colitis	36	0.4	*12	*0.4	24	0.4
Cancer of digestive sites	36	0.4	*5	*0.2	30	0.5
Other digestive disorders	84	0.9	30	1.0	54	0.9
Circulatory						
Rheumatic fever	69	0.8	23	0.8	46	0.8
Ischemic heart disease	363	4.1	17	0.6	346	5.8
Heart rhythm disorders	79	0.9	21	0.7	58	1.0
Other heart disease	366	4.1	59	2.0	306	5.1
Hypertension	502	5.6	78	2.7	424	7.1
Cerebrovascular disease	97	1.1	*10	*0.4	86	1.4
Arteriosclerosis	19	0.2	*2	*0.1	17	0.3
Phlebitis, varicose veins	141	1.6	37	1.3	104	1.7
Other circulatory	79	0.9	18	0.6	61	1.0
Respiratory						
Chronic bronchitis	27	0.3	*8	*0.3	19	0.3
Asthma	306	3.4	161	5.5	146	2.4
Hay fever	36	0.4	23	0.8	13	0.2
Sinusitis	18	0.2	*4	*0.1	*14	*0.2
Emphysema	108	1.2	*5	*0.2	102	1.7
Lung or bronchial cancer	20	0.2	*1	*0.0	19	0.3
Other respiratory disease	65	0.7	*13	*0.4	52	0.9

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 7A: PREVALENCE OF WORK LIMITATION DUE TO CHRONIC CONDITIONS, BY MAIN CAUSE OF LIMITATION, AGE, AND GENDER: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION , AGES 18-69, 1983-1985 (THREE-YEAR AVERAGE)--CONTINUED

Main Cause of Limitation	*Females*					
	All Ages		*18-44*		*45-69*	
	Number of conditions in thousands and percent distribution					
Miscellaneous						
Diabetes	288	3.2	57	1.9	231	3.8
Anemias	37	0.4	*16	*0.5	21	0.4
Kidney disorders	58	0.7	21	0.7	37	0.6
Female genital disorders	83	0.9	48	1.6	36	0.6
Schizophrenia/other psychoses	66	0.7	33	1.1	33	0.6
Neuroses/personality disorders	122	1.4	63	2.1	59	1.0
Other mental illness	78	0.9	35	1.2	43	0.7
Alchohol or drug dependency	*14	*0.2	*12	*0.4	*2	*0.0
Mental retardation	150	1.7	118	4.0	31	0.5
Epilepsy	86	1.0	67	2.3	19	0.3
Multiple sclerosis	57	0.6	24	0.8	32	0.5
Senility	36	0.4	.	.	36	0.6
Parkinson's disease	*15	*0.2	.	.	*15	*0.2
Other nervous disorders	216	2.4	89	3.0	128	2.1
Tuberculosis (all sites)	41	0.5	*15	*0.5	26	0.4
Other infectious/parasitic diseases	23	0.3	*14	*0.5	*9	*0.1
Leukemia	*10	*0.1	*3	*0.1	*7	*0.1
Cancer of female breast	61	0.7	*13	*0.4	49	0.8
Cancer of genitourinary sites	41	0.5	*9	*0.3	33	0.5
Cancer of all other sites, NEC	43	0.5	*12	*0.4	31	0.5
Surgical/medical complications	78	0.9	21	0.7	57	0.9
Other injuries	59	0.7	28	1.0	31	0.5
Other ill-defined conditions	243	2.7	88	3.0	155	2.6
All other chronic conditions	303	3.4	149	5.1	155	2.6

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 7B: PREVALENCE OF WORK LIMITATION DUE TO CHRONIC CONDITIONS, BY ALL CAUSES OF LIMITATION, AGE, AND GENDER: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION , AGES 18-69, 1983-1985 (THREE-YEAR AVERAGE)

							Males					
All Causes of Limitation	***All Ages***		***18-44***		***45-69***		***All Ages***		***18-44***		***45-69***	
	Number of conditions in thousands and percent distribution											
All conditions	28,316	100.0	7,962	100.0	20,354	100.0	13,623	100.0	4,018	100.0	9,606	100.0
Skin and musculoskeletal												
Rheumatoid arthritis	401	1.4	88	1.1	312	1.5	117	0.9	28	0.7	89	0.9
Osteoarthritis/other arthropathies	2,738	9.7	326	4.1	2,412	11.8	986	7.2	131	3.3	855	8.9
Intervertebral disk disorders	1,261	4.5	540	6.8	721	3.5	691	5.1	320	8.0	371	3.9
Osteomyelitis/bone disorders	279	1.0	63	0.8	216	1.1	92	0.7	30	0.7	63	0.7
Bursitis	150	0.5	49	0.6	100	0.5	58	0.4	20	0.5	38	0.4
Psoriasis and dermatitis	101	0.4	43	0.5	58	0.3	36	0.3	*10	*0.2	26	0.3
Skin cancer	19	0.1	*3	*0.0	*16	*0.1	*11	*0.1	*2	*0.0	*9	*0.1
Bone cancer	27	0.1	*4	*0.0	23	0.1	*10	*0.1	*1	*0.0	*9	*0.1
Other skin and musculoskeletal	318	1.1	58	0.7	259	1.3	153	1.1	28	0.7	125	1.3
Impairments												
Absence of arm(s)/hand(s)	18	0.1	*9	*0.1	*10	*0.0	*16	*0.1	*7	*0.2	*10	*0.1
Absence of leg(s)	111	0.4	28	0.3	84	0.4	83	0.6	24	0.6	59	0.6
Absence of fingers, toes, feet	72	0.3	32	0.4	40	0.2	61	0.4	30	0.7	32	0.3
Other absence, NEC	106	0.4	35	0.4	71	0.4	59	0.4	22	0.5	38	0.4
Complete paralysis of extremities	241	0.9	87	1.1	155	0.8	163	1.2	64	1.6	100	1.0
Cerebral palsy	82	0.3	67	0.8	*15	*0.1	44	0.3	35	0.9	*9	*0.1
Partial paralysis of extremities	187	0.7	45	0.6	142	0.7	118	0.9	33	0.8	84	0.9
Paralysis of other sites	72	0.3	22	0.3	49	0.3	46	0.3	*14	*0.4	31	0.3
Curvature of back or spine	345	1.2	212	2.7	132	0.6	126	0.9	89	2.2	37	0.4
Other impairment of back	1,734	6.1	835	10.5	899	4.4	876	6.4	415	10.3	461	4.8
Spina bifida	18	0.1	*13	*0.2	*5	*0.0	*9	*0.1	*6	*0.2	*3	*0.0
Impairment of upper extremities	521	1.8	258	3.2	263	1.3	319	2.3	167	4.2	152	1.6
Impairment of lower extremities	1,356	4.8	592	7.4	764	3.8	767	5.6	356	8.9	411	4.3
Other orthopedic impairment	124	0.4	58	0.7	66	0.3	69	0.5	36	0.9	32	0.3
Speech impairment	123	0.4	49	0.6	74	0.4	80	0.6	33	0.8	48	0.5
Blind in both eyes	134	0.5	49	0.6	85	0.4	76	0.6	27	0.7	48	0.5
Cataracts	170	0.6	21	0.3	148	0.7	74	0.5	*11	*0.3	62	0.6
Glaucoma	113	0.4	*13	*0.2	100	0.5	53	0.4	*8	*0.2	45	0.5
Other visual impairment/eye disorders	735	2.6	277	3.5	458	2.3	403	3.0	186	4.6	217	2.3
Deaf in both ears	104	0.4	50	0.6	54	0.3	54	0.4	28	0.7	26	0.3
Other hearing impairment/ear disorders	414	1.5	132	1.7	282	1.4	226	1.7	73	1.8	154	1.6

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 7B: PREVALENCE OF WORK LIMITATION DUE TO CHRONIC CONDITIONS, BY ALL CAUSES OF LIMITATION, AGE, AND GENDER: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION , AGES 18-69, 1983-1985 (THREE-YEAR AVERAGE)--CONTINUED

							Males					
All Causes of Limitation	***All Ages***		***18-44***		***45-69***		***All Ages***		***18-44***		***45-69***	
	Number of conditions in thousands and percent distribution											
Digestive												
Ulcers	283	1.0	63	0.8	220	1.1	152	1.1	36	0.9	117	1.2
Hernia	346	1.2	79	1.0	266	1.3	170	1.2	40	1.0	130	1.4
Enteritis and colitis	91	0.3	31	0.4	59	0.3	27	0.2	*11	*0.3	*15	*0.2
Cancer of digestive sites	115	0.4	*13	*0.2	102	0.5	67	0.5	*7	*0.2	60	0.6
Other digestive disorders	428	1.5	111	1.4	318	1.6	172	1.3	41	1.0	131	1.4
Circulatory												
Rheumatic fever	128	0.5	41	0.5	86	0.4	36	0.3	*11	*0.3	26	0.3
Ischemic heart disease	1,460	5.2	80	1.0	1,379	6.8	952	7.0	60	1.5	892	9.3
Heart rhythm disorders	279	1.0	49	0.6	230	1.1	128	0.9	18	0.4	111	1.2
Other heart disease	1,225	4.3	143	1.8	1,082	5.3	628	4.6	57	1.4	572	5.9
Hypertension	2,057	7.3	231	2.9	1,826	9.0	787	5.8	80	2.0	707	7.4
Cerebrovascular disease	413	1.5	29	0.4	385	1.9	254	1.9	13	0.3	241	2.5
Arteriosclerosis	134	0.5	*6	*0.1	129	0.6	96	0.7	*4	*0.1	92	1.0
Phlebitis, varicose veins	310	1.1	60	0.8	249	1.2	80	0.6	*13	*0.3	67	0.7
Other circulatory	317	1.1	43	0.5	274	1.3	172	1.3	17	0.4	155	1.6
Respiratory												
Chronic bronchitis	149	0.5	28	0.4	121	0.6	68	0.5	*10	*0.3	57	0.6
Asthma	705	2.5	326	4.1	379	1.9	260	1.9	125	3.1	136	1.4
Hay fever	96	0.3	60	0.8	36	0.2	39	0.3	33	0.8	*6	*0.1
Sinusitis	70	0.2	*15	*0.2	55	0.3	29	0.2	*7	*0.2	22	0.2
Emphysema	592	2.1	25	0.3	566	2.8	414	3.0	*15	*0.4	399	4.2
Lung or bronchial cancer	78	0.3	*3	*0.0	75	0.4	53	0.4	*2	*0.1	50	0.5
Other respiratory disease	333	1.2	50	0.6	284	1.4	215	1.6	28	0.7	187	1.9

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SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 7B: PREVALENCE OF WORK LIMITATION DUE TO CHRONIC CONDITIONS, BY ALL CAUSES OF LIMITATION, AGE, AND GENDER: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION , AGES 18-69, 1983-1985 (THREE-YEAR AVERAGE)--CONTINUED

							Males					
All Causes of Limitation	*All Ages*		*18-44*		*45-69*		*All Ages*		*18-44*		*45-69*	
	Number of conditions in thousands and percent distribution											
Miscellaneous												
Diabetes	1,217	4.3	168	2.1	1,049	5.2	556	4.1	84	2.1	471	4.9
Anemias	75	0.3	29	0.4	46	0.2	17	0.1	*6	*0.1	*11	*0.1
Kidney disorders	207	0.7	58	0.7	149	0.7	79	0.6	21	0.5	57	0.6
Female genital disorders	156	0.6	76	0.9	81	0.4	.	.	.	.	.	.
Schizophrenia/other psychoses	204	0.7	120	1.5	85	0.4	127	0.9	84	2.1	44	0.5
Neuroses/personality disorders	300	1.1	147	1.9	152	0.7	139	1.0	75	1.9	64	0.7
Other mental illness	244	0.9	105	1.3	139	0.7	120	0.9	53	1.3	67	0.7
Alchohol or drug dependency	80	0.3	48	0.6	32	0.2	61	0.4	34	0.8	27	0.3
Mental retardation	388	1.4	314	3.9	74	0.4	222	1.6	184	4.6	39	0.4
Epilepsy	299	1.1	204	2.6	95	0.5	178	1.3	115	2.9	63	0.7
Multiple sclerosis	100	0.4	45	0.6	55	0.3	40	0.3	19	0.5	22	0.2
Senility	58	0.2	.	.	58	0.3	20	0.1	.	.	20	0.2
Parkinson's disease	51	0.2	*3	*0.0	48	0.2	30	0.2	*2	*0.1	28	0.3
Other nervous disorders	526	1.9	213	2.7	313	1.5	200	1.5	86	2.1	114	1.2
Tuberculosis (all sites)	82	0.3	26	0.3	56	0.3	26	0.2	*8	*0.2	18	0.2
Other infectious/parasitic diseases	73	0.3	38	0.5	35	0.2	41	0.3	22	0.5	19	0.2
Leukemia	31	0.1	*4	*0.1	26	0.1	17	0.1	*2	*0.0	*15	*0.2
Cancer of female breast	94	0.3	*14	*0.2	80	0.4	na	na	na	na	na	na
Cancer of genitourinary sites	97	0.3	*11	*0.1	86	0.4	43	0.3	*1	*0.0	43	0.4
Cancer of all other sites, NEC	111	0.4	25	0.3	86	0.4	60	0.4	*11	*0.3	49	0.5
Surgical/medical complications	274	1.0	74	0.9	200	1.0	106	0.8	34	0.8	72	0.7
Other injuries	204	0.7	85	1.1	119	0.6	113	0.8	51	1.3	62	0.6
Other ill-defined conditions	819	2.9	258	3.2	561	2.8	358	2.6	126	3.1	231	2.4
All other chronic conditions	945	3.3	351	4.4	595	2.9	393	2.9	143	3.6	250	2.6

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 7B: PREVALENCE OF WORK LIMITATION DUE TO CHRONIC CONDITIONS, BY ALL CAUSES OF LIMITATION, AGE, AND GENDER: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION , AGES 18-69, 1983-1985 (THREE-YEAR AVERAGE)--CONTINUED

	Females					
All Causes of Limitation	***All Ages***		***18-44***		***45-69***	
	Number of conditions in thousands and percent distribution					
All conditions	14,693	100.0	3,944	100.0	10,749	100.0
Skin and musculoskeletal						
Rheumatoid arthritis	284	1.9	60	1.5	224	2.1
Osteoarthritis/other arthropathies	1,752	11.9	195	4.9	1,557	14.5
Intervertebral disk disorders	570	3.9	220	5.6	351	3.3
Osteomyelitis/bone disorders	187	1.3	33	0.8	154	1.4
Bursitis	91	0.6	29	0.7	63	0.6
Psoriasis and dermatitis	65	0.4	33	0.8	32	0.3
Skin cancer	*8	*0.1	*1	*0.0	*7	*0.1
Bone cancer	17	0.1	*3	*0.1	*14	*0.1
Other skin and musculoskeletal	164	1.1	30	0.8	134	1.2
Impairments						
Absence of arm(s)/hand(s)	*2	*0.0	*2	*0.1	.	.
Absence of leg(s)	28	0.2	*4	*0.1	24	0.2
Absence of fingers, toes, feet	*11	*0.1	*2	*0.1	*9	*0.1
Other absence, NEC	47	0.3	*13	*0.3	34	0.3
Complete paralysis of extremities	78	0.5	23	0.6	55	0.5
Cerebral palsy	37	0.3	32	0.8	*6	*0.1
Partial paralysis of extremities	69	0.5	*11	*0.3	58	0.5
Paralysis of other sites	26	0.2	*8	*0.2	18	0.2
Curvature of back or spine	219	1.5	123	3.1	95	0.9
Other impairment of back	858	5.8	420	10.6	438	4.1
Spina bifida	*9	*0.1	*7	*0.2	*2	*0.0
Impairment of upper extremities	202	1.4	91	2.3	111	1.0
Impairment of lower extremities	590	4.0	236	6.0	354	3.3
Other orthopedic impairment	55	0.4	22	0.6	33	0.3
Speech impairments	42	0.3	*16	*0.4	27	0.3
Blind in both eyes	58	0.4	21	0.5	37	0.3
Cataracts	96	0.7	*10	*0.3	86	0.8
Glaucoma	60	0.4	*5	*0.1	55	0.5
Other visual impairment/eye disorders	332	2.3	91	2.3	241	2.2
Deaf in both ears	49	0.3	22	0.6	27	0.3
Other hearing impairment/ear disorders	188	1.3	60	1.5	128	1.2

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 7B: PREVALENCE OF WORK LIMITATION DUE TO CHRONIC CONDITIONS, BY ALL CAUSES OF LIMITATION, AGE, AND GENDER: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION , AGES 18-69, 1983-1985 (THREE-YEAR AVERAGE)--CONTINUED

	Females					
All Causes of Limitation	***All Ages***		***18-44***		***45-69***	
	Number of conditions in thousands and percent distribution					
Digestive						
Ulcers	130	0.9	27	0.7	103	1.0
Hernia	176	1.2	39	1.0	136	1.3
Enteritis and colitis	64	0.4	20	0.5	44	0.4
Cancer of digestive sites	48	0.3	*5	*0.1	42	0.4
Other digestive disorders	257	1.7	70	1.8	187	1.7
Circulatory						
Rheumatic fever	91	0.6	31	0.8	61	0.6
Ischemic heart disease	508	3.5	20	0.5	487	4.5
Heart rhythm disorders	150	1.0	32	0.8	119	1.1
Other heart disease	597	4.1	86	2.2	510	4.7
Hypertension	1,270	8.6	151	3.8	1119	10.4
Cerebrovascular disease	159	1.1	*15	*0.4	143	1.3
Arteriosclerosis	39	0.3	*2	*0.1	37	0.3
Phlebitis, varicose veins	230	1.6	48	1.2	182	1.7
Other circulatory	145	1.0	27	0.7	118	1.1
Respiratory						
Chronic bronchitis	81	0.6	18	0.5	63	0.6
Asthma	444	3.0	201	5.1	243	2.3
Hay fever	58	0.4	28	0.7	30	0.3
Sinusitis	41	0.3	*8	*0.2	33	0.3
Emphysema	178	1.2	*11	*0.3	167	1.6
Lung or bronchial cancer	25	0.2	*1	*0.0	24	0.2
Other respiratory disease	117	0.8	21	0.5	96	0.9

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 7B: PREVALENCE OF WORK LIMITATION DUE TO CHRONIC CONDITIONS, BY ALL CAUSES OF LIMITATION, AGE, AND GENDER: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION , AGES 18-69, 1983-1985 (THREE-YEAR AVERAGE)--CONTINUED

	Females					
All Causes of Limitation	*All Ages*		*18-44*		*45-69*	
	Number of conditions in thousands and percent distribution					
Miscellaneous						
Diabetes	662	4.5	84	2.1	578	5.4
Anemias	58	0.4	24	0.6	34	0.3
Kidney disorders	128	0.9	36	0.9	91	0.9
Female genital disorders	156	1.1	76	1.9	80	0.7
Schizophrenia/other psychoses	77	0.5	36	0.9	41	0.4
Neuroses/personality disorders	161	1.1	72	1.8	88	0.8
Other mental illness	125	0.9	52	1.3	72	0.7
Alchohol or drug dependency	19	0.1	*14	*0.4	*5	*0.0
Mental retardation	165	1.1	131	3.3	35	0.3
Epilepsy	121	0.8	89	2.3	32	0.3
Multiple sclerosis	59	0.4	26	0.7	33	0.3
Senility	38	0.3	.	.	38	0.4
Parkinson's disease	20	0.1	*1	*0.0	20	0.2
Other nervous disorders	326	2.2	127	3.2	199	1.9
Tuberculosis (all sites)	55	0.4	17	0.4	38	0.4
Other infectious/parasitic diseases	32	0.2	*16	*0.4	*16	*0.1
Leukemia	*14	*0.1	*3	*0.1	*11	*0.1
Cancer of female breast	94	0.6	*14	*0.4	80	0.7
Cancer of genitourinary sites	54	0.4	*10	*0.3	43	0.4
Cancer of all other sites, NEC	51	0.3	*14	*0.4	37	0.3
Surgical/medical complications	169	1.1	41	1.0	128	1.2
Other injuries	91	0.6	34	0.9	57	0.5
Other ill-defined conditions	462	3.1	133	3.4	329	3.1
All other chronic conditions	552	3.8	208	5.3	344	3.2

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 8A: PREVALENCE OF NEED FOR ASSISTANCE IN IADL OR ADL DUE TO CHRONIC CONDITIONS, BY MAIN CAUSE OF LIMITATION, AGE, AND GENDER: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, AGES 5 AND OVER, 1983-1985 (THREE-YEAR AVERAGE)

							Males					
Main Cause of Limitation	*All Ages*		*5-69*		*70+*		*All Ages*		*5-69*		*70+*	
	Number of conditions in thousands and percent distribution											
All conditions	7,577	100.0	3,932	100.0	3,645	100.0	2,720	100.0	1,612	100.0	1,108	100.0
Skin and musculoskeletal												
Rheumatoid arthritis	173	2.3	112	2.8	61	1.7	31	1.2	21	1.3	*11	*1.0
Osteoarthritis/other arthropathies	955	12.6	359	9.1	596	16.4	173	6.4	83	5.1	90	8.2
Intervertebral disk disorders	227	3.0	196	5.0	30	0.8	77	2.8	69	4.3	*8	*0.7
Osteomyelitis/bone disorders	89	1.2	41	1.0	48	1.3	*13	*0.5	*7	*0.4	*6	*0.6
Bursitis	*12	*0.2	*6	*0.2	*6	*0.2	*3	*0.1	*2	*0.1	*1	*0.1
Psoriasis and dermatitis	*7	*0.1	*5	*0.1	*2	*0.1	*2	*0.1	*2	*0.1	.	.
Skin cancer	*4	*0.0	*2	*0.1	*1	*0.0	*1	*0.1	*1	*0.0	*1	*0.1
Bone cancer	26	0.3	*13	*0.3	*13	*0.4	*6	*0.2	*1	*0.1	*5	*0.4
Other skin and musculoskeletal	63	0.8	31	0.8	31	0.9	22	0.8	*11	*0.7	*10	*0.9
Impairments												
Absence of arm(s)/hand(s)	*6	*0.1	*6	*0.1	.	.	*6	*0.2	*6	*0.3	.	.
Absence of leg(s)	80	1.1	42	1.1	38	1.0	50	1.8	30	1.8	20	1.8
Absence of fingers, toes, feet	*9	*0.1	*4	*0.1	*5	*0.1	*3	*0.1	*2	*0.1	*1	*0.1
Other absence, NEC	*15	*0.2	*8	*0.2	*7	*0.2	*5	*0.2	*3	*0.2	*2	*0.2
Complete paralysis of extremities	139	1.8	110	2.8	29	0.8	93	3.4	79	4.9	*14	*1.3
Cerebral palsy	61	0.8	60	1.5	*1	*0.0	31	1.1	31	1.9	.	.
Partial paralysis of extremities	51	0.7	31	0.8	20	0.6	27	1.0	19	1.2	*8	*0.7
Paralysis of other sites	29	0.4	20	0.5	*9	*0.2	*16	*0.6	*12	*0.8	*4	*0.3
Curvature of back or spine	42	0.6	32	0.8	*9	*0.3	*6	*0.2	*5	*0.3	*1	*0.1
Other impairment of back	260	3.4	197	5.0	63	1.7	80	2.9	68	4.2	*12	*1.1
Spina bifida	*9	*0.1	*8	*0.2	*1	*0.0	*4	*0.2	*4	*0.3	.	.
Impairment of upper extremities	56	0.7	43	1.1	*13	*0.4	25	0.9	22	1.4	*3	*0.3
Impairment of lower extremities	333	4.4	128	3.3	205	5.6	100	3.7	47	2.9	53	4.8
Other orthopedic impairment	39	0.5	26	0.7	*13	*0.4	*15	*0.5	*11	*0.7	*3	*0.3
Speech impairment	*15	*0.2	*11	*0.3	*4	*0.1	*9	*0.3	*7	*0.4	*1	*0.1
Blind in both eyes	162	2.1	71	1.8	90	2.5	75	2.8	40	2.5	35	3.1
Cataracts	91	1.2	*13	*0.3	77	2.1	27	1.0	*3	*0.2	23	2.1
Glaucoma	55	0.7	*15	*0.4	41	1.1	21	0.8	*8	*0.5	*13	*1.2
Other visual impairment/eye disorders	274	3.6	100	2.5	175	4.8	110	4.0	45	2.8	65	5.9
Deaf in both ears	24	0.3	*15	*0.4	*10	*0.3	*13	*0.5	*8	*0.5	*5	*0.5
Other hearing impairment/ear disorders	56	0.7	26	0.7	30	0.8	23	0.8	*12	*0.7	*11	*1.0

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 8A: PREVALENCE OF NEED FOR ASSISTANCE IN IADL OR ADL DUE TO CHRONIC CONDITIONS, BY MAIN CAUSE OF LIMITATION, AGE, AND GENDER: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, AGES 5 AND OVER, 1983-1985 (THREE-YEAR AVERAGE)--CONTINUED

							Males					
Main Cause of Limitation	***All Ages***		***5-69***		***70+***		***All Ages***		***5-69***		***70+***	
	Number of conditions in thousands and percent distribution											
Digestive												
Ulcers	*8	*0.1	*3	*0.1	*5	*0.1	*3	*0.1	*1	*0.1	*1	*0.1
Abdominal hernia	29	0.4	17	0.4	*12	*0.3	*12	80.4	*5	*0.3	*7	*0.6
Enteritis and colitis	*9	*0.1	*5	*0.1	*4	*0.1	*1	*0.0	.	.	*1	*0.1
Cancer of digestive sites	49	0.7	26	0.7	24	0.7	22	0.8	*11	*0.7	*11	*1.0
Other digestive disorders	61	0.8	30	0.8	31	0.9	*16	*0.6	*12	*0.7	*4	*0.4
Circulatory												
Rheumatic fever	27	0.4	19	0.5	*8	*0.2	*2	*0.1	*2	*0.1	.	.
Ischemic heart disease	388	5.1	192	4.9	196	5.4	147	5.4	91	5.7	55	5.0
Heart rhythm disorders	53	0.7	19	0.5	34	0.9	*14	*0.5	*5	*0.3	*9	*0.8
Other heart disease	403	5.3	135	3.4	268	7.3	146	5.4	60	3.7	86	7.7
Hypertension	165	2.2	78	2.0	87	2.4	36	1.3	18	1.1	18	1.6
Cerebrovascular disease	399	5.3	147	3.7	252	6.9	197	7.2	82	5.1	115	10.4
Arteriosclerosis	68	0.9	*14	*0.3	55	1.5	24	0.9	*7	*0.4	17	1.5
Phlebitis, varicose veins	45	0.6	29	0.7	*16	*0.4	*7	*0.3	*4	*0.2	*3	*0.3
Other circulatory	86	1.1	35	0.9	51	1.4	38	1.4	17	1.0	22	2.0
Respiratory												
Chronic bronchitis	17	0.2	*8	*0.2	*9	*0.3	*4	*0.2	*3	*0.2	*1	*0.1
Asthma	91	1.2	69	1.7	23	0.6	27	1.0	24	1.5	*3	*0.3
Hay fever	*5	*0.1	*4	*0.1	*1	*0.0	*1	*0.0	*1	*0.1	.	.
Sinusitis	*9	*0.1	*4	*0.1	*5	*0.1	*6	*0.2	*2	*0.1	*4	*0.4
Emphysema	188	2.5	104	2.7	83	2.3	118	4.3	62	3.8	56	5.0
Lung or bronchial cancer	35	0.5	19	0.5	17	0.5	24	0.9	*12	*0.7	*12	*1.1
Other respiratory disease	76	1.0	40	1.0	35	1.0	46	1.7	22	1.4	24	2.1

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 8A: PREVALENCE OF NEED FOR ASSISTANCE IN IADL OR ADL DUE TO CHRONIC CONDITIONS, BY MAIN CAUSE OF LIMITATION, AGE, AND GENDER: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, AGES 5 AND OVER, 1983-1985 (THREE-YEAR AVERAGE)--CONTINUED

							Males					
Main Cause of Limitation	***All Ages***		***5-69***		***70+***		***All Ages***		***5-69***		***70+***	
	Number of conditions in thousands and percent distribution											
Miscellaneous												
Diabetes	181	2.4	83	2.1	99	2.7	49	1.8	27	1.7	22	2.0
Anemias	*15	*0.2	*8	*0.2	*7	*0.2	*4	*0.2	*2	*0.1	*3	*0.3
Kidney disorders	28	0.4	18	0.5	*9	*0.3	*8	*0.3	*5	*0.3	*3	*0.3
Female genital disorders	19	0.2	*14	*0.4	*4	80.1	na	na	na	na	na	na
Schizophrenia/other psychoses	69	0.9	59	1.5	*10	*0.3	39	1.4	34	2.1	*5	*0.4
Neuroses/personality disorders	82	1.1	68	1.7	*14	*0.4	28	1.0	23	1.5	*5	*0.4
Other mental illness	52	0.7	36	0.9	*16	*0.4	25	0.9	20	1.3	*5	*0.5
Alchohol or drug dependency	*6	*0.1	*6	*0.2	.	.	*4	*0.2	*4	*0.3	.	.
Mental retardation	303	4.0	297	7.6	*6	*0.2	172	6.3	169	10.5	*2	*0.2
Epilepsy	70	0.9	61	1.6	*9	*0.2	33	1.2	29	1.8	*5	*0.4
Multiple sclerosis	63	0.8	57	1.5	*5	*0.1	20	0.7	19	1.2	*1	*0.1
Senility	268	3.5	*6	*0.1	262	7.2	81	3.0	*1	*0.1	80	7.2
Parkinson's disease	67	0.9	20	0.5	47	1.3	32	1.2	*10	*0.6	22	2.0
Other nervous disorders	183	2.4	110	2.8	73	2.0	70	2.6	46	2.9	24	2.2
Tuberculosis (all sites)	20	0.3	*15	*0.4	*5	*0.1	*2	*0.1	*1	*0.1	*1	*0.1
Other infectious/parasitic diseases	18	0.2	*7	*0.2	*11	*0.3	*4	*0.2	*3	*0.2	*1	*0.1
Leukemia	*10	*0.1	*6	*0.2	*4	*0.1	*3	*0.1	*2	*0.1	*1	*0.1
Cancer of female breast	26	0.3	*14	*0.3	*12	*0.3	na	na	na	na	na	na
Cancer of genitourinary sites	33	0.4	21	0.5	*13	*0.3	*14	*0.5	*5	*0.3	*8	*0.7
Cancer of all other sites, NEC	52	0.7	34	0.9	18	0.5	21	0.8	*14	*0.8	*8	*0.7
Surgical/medical complications	55	0.7	33	0.9	22	0.6	*16	*0.6	*12	*0.7	*4	*0.4
Other injuries	49	0.6	28	0.7	21	0.6	21	0.8	*13	*0.8	*8	*0.7
Other ill-defined conditions	142	1.9	80	2.0	63	1.7	49	1.8	30	1.9	20	1.8
All other chronic conditions	193	2.5	124	3.1	69	1.9	68	2.5	43	2.7	25	2.3

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

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TABLE 8A: PREVALENCE OF NEED FOR ASSISTANCE IN IADL OR ADL DUE TO CHRONIC CONDITIONS, BY MAIN CAUSE OF LIMITATION, AGE, AND GENDER: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, AGES 5 AND OVER, 1983-1985 (THREE-YEAR AVERAGE)--CONTINUED

	Females					
Main Cause of Limitation	***All Ages***		***5-69***		***70+***	
	Number of conditions in thousands and percent distribution					
All conditions	4,856	100.0	2,320	100.0	2,537	100.0
Skin and musculoskeletal						
Rheumatoid arthritis	142	2.9	91	3.9	50	2.0
Osteoarthritis/other arthropathies	782	16.1	277	11.9	506	19.9
Intervertebral disk disorders	149	3.1	127	5.5	22	0.9
Osteomyelitis/bone disorders	75	1.6	34	1.5	41	1.6
Bursitis	*9	*0.2	*4	*0.2	*5	*0.2
Psoriasis and dermatitis	*5	*0.1	*3	*0.1	*2	*0.1
Skin cancer	*2	*0.0	*2	*0.1	*1	*0.0
Bone cancer	20	0.4	*11	*0.5	*8	*0.3
Other skin and musculoskeletal	41	0.8	20	0.9	21	0.8
Impairments						
Absence of arm(s)/hand(s)	.	.	.	.	.	.
Absence of leg(s)	30	0.6	*12	*0.5	18	0.7
Absence of fingers, toes, feet	*6	*0.1	*2	*0.1	*4	*0.1
Other absence, NEC	*10	*0.2	*5	*0.2	*5	*0.2
Complete paralysis of extremities	47	1.0	31	1.3	*16	*0.6
Cerebral palsy	30	0.6	29	1.3	*1	*0.0
Partial paralysis of extremities	24	0.5	*12	*0.5	*12	*0.5
Paralysis of other sites	*13	*0.3	*8	*0.3	*5	*0.2
Curvature of back or spine	36	0.7	28	1.2	*9	*0.3
Other impairment of back	180	3.7	130	5.6	51	2.0
Spina bifida	*5	*0.1	*4	*0.2	*1	*0.0
Impairment of upper extremities	31	0.6	21	0.9	*10	*0.4
Impairment of lower extremities	233	4.8	81	3.5	152	6.0
Other orthopedic impairment	24	0.5	*14	*0.6	*10	*0.4
Speech impairment	*6	*0.1	*3	*0.1	*2	*0.1
Blind in both eyes	86	1.8	31	1.3	56	2.2
Cataracts	64	1.3	*10	*0.4	54	2.1
Glaucoma	34	0.7	*7	*0.3	28	1.1
Other visual impairment/eye disorders	165	3.4	55	2.4	110	4.3
Deaf in both ears	*11	*0.2	*7	*0.3	*4	*0.2
Other hearing impairment/ear disorders	33	0.7	*14	*0.6	20	0.8

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 8A: PREVALENCE OF NEED FOR ASSISTANCE IN IADL OR ADL DUE TO CHRONIC CONDITIONS, BY MAIN CAUSE OF LIMITATION, AGE, AND GENDER: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, AGES 5 AND OVER, 1983-1985 (THREE-YEAR AVERAGE)--CONTINUED

	Females					
Main Cause of Limitation	***All Ages***		***5-69***		***70+***	
	Number of conditions in thousands and percent distribution					
Digestive						
Ulcers	*5	*0.1	*2	*0.1	*4	*0.1
Abdominal hernia	17	0.3	*11	*0.5	*6	*0.2
Enteritis and colitis	*9	*0.2	*5	*0.2	*3	*0.1
Cancer of digestive sites	28	0.6	*15	*0.6	*13	*0.5
Other digestive disorders	45	0.9	18	0.8	27	1.1
Circulatory						
Rheumatic fever	25	0.5	17	0.7	*8	*0.3
Ischemic heart disease	241	5.0	100	4.3	141	5.5
Heart rhythm disorders	39	0.8	*14	*0.6	25	1.0
Other heart disease	257	5.3	75	3.2	182	7.2
Hypertension	128	2.6	60	2.6	69	2.7
Cerebrovascular disease	202	4.2	65	2.8	137	5.4
Arteriosclerosis	44	0.9	*7	*0.3	38	1.5
Phlebitis, varicose veins	38	0.8	25	1.1	*13	*0.5
Other circulatory	48	1.0	18	0.8	29	1.2
Respiratory						
Chronic bronchitis	*13	*0.3	*5	*0.2	*8	*0.3
Asthma	64	1.3	45	1.9	19	0.8
Hay fever	*3	*0.1	*3	*0.1	*1	*0.1
Sinusitis	*3	*0.1	*3	*0.1	*1	*0.0
Emphysema	70	1.4	42	1.8	27	1.1
Lung or bronchial cancer	*11	*0.2	*7	*0.3	*4	*0.2
Other respiratory disease	31	0.6	18	0.8	*11	*0.4

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 8A: PREVALENCE OF NEED FOR ASSISTANCE IN IADL OR ADL DUE TO CHRONIC CONDITIONS, BY MAIN CAUSE OF LIMITATION, AGE, AND GENDER: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, AGES 5 AND OVER, 1983-1985 (THREE-YEAR AVERAGE)--CONTINUED

	Females					
Main Cause of Limitation	***All Ages***		***5-69***		***70+***	
	Number of conditions in thousands and percent distribution					
Miscellaneous						
Diabetes	132	2.7	56	2.4	76	3.0
Anemias	*10	*0.2	*6	*0.3	*4	*0.2
Kidney disorders	20	0.4	*14	*0.6	*6	*0.2
Female genital disorders	19	0.4	*14	*0.6	*4	*0.2
Schizophrenia/other psychoses	30	0.6	25	1.1	*6	*0.2
Neuroses/personality disorders	54	1.1	45	1.9	*9	*0.4
Other mental illness	27	0.6	*16	*0.7	*11	*0.4
Alchohol or drug dependency	2*	*0.0	*2	*0.1	.	.
Mental retardation	131	2.7	127	5.5	*4	*0.1
Epilepsy	37	0.8	32	1.4	*4	*0.2
Multiple sclerosis	43	0.9	38	1.7	*5	*0.2
Senility	187	3.8	*4	*0.2	182	7.2
Parkinson's disease	35	0.7	*10	*0.4	25	1.0
Other nervous disorders	112	2.3	64	2.8	48	1.9
Tuberculosis (all sites)	18	0.4	*14	*0.6	*4	*0.2
Other infectious/parasitic diseases	*14	*0.3	*4	*0.2	*10	*0.4
Leukemia	*7	*0.1	*4	*0.2	*3	*0.1
Cancer of female breast	26	0.5	*14	*0.6	*12	*0.5
Cancer of genitourinary sites	20	0.4	*15	*0.7	*5	*0.2
Cancer of all other sites, NEC	31	0.6	20	0.9	*11	0.4
Surgical/medical complications	39	0.8	22	0.9	18	0.7
Other injuries	28	0.6	*14	*0.6	*13	*0.5
Other ill-defined conditions	93	1.9	51	2.2	43	1.7
All other chronic conditions	125	2.6	80	3.5	44	1.7

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 8B: PREVALENCE OF NEED FOR ASSISTANCE IN IADL OR ADL DUE TO CHRONIC CONDITIONS, BY ALL CAUSES OF LIMITATION, AGE, AND GENDER: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, AGES 5 AND OVER, 1983-1985 (THREE-YEAR AVERAGE)

							Males					
All Causes of Limitation	*All Ages*		*5-69*		*70+*		*All Ages*		*5-69*		*70+*	
	Number of conditions in thousands and percent distribution											
All conditions	13,843	100.0	6,136	100.0	7,707	100.0	4,872	100.0	2,465	100.0	2,407	100.0
Skin and musculoskeletal												
Rheumatoid arthritis	213	1.5	135	2.2	78	1.0	39	0.8	26	1.0	*13	*0.5
Osteoarthritis/other arthropathies	1,599	11.5	582	9.5	1,017	13.2	328	6.7	145	5.9	183	7.6
Intervertebral disk disorders	281	2.0	231	3.8	50	0.6	98	2.0	82	3.3	*16	*0.7
Osteomyelitis/bone disorders	141	1.0	57	0.9	83	1.1	22	0.4	*12	*0.5	*10	*0.4
Bursitis	30	0.2	18	0.3	*13	*0.2	*9	*0.2	*5	*0.2	*3	*0.1
Psoriasis and dermatitis	22	0.2	*14	*0.2	*8	*0.1	*8	*0.2	*7	*0.3	*1	*0.1
Skin cancer	*12	*0.1	*2	*0.0	*10	*0.1	*4	*0.1	*1	*0.0	*3	*0.1
Bone cancer	29	0.2	*15	*0.2	*14	*0.2	*7	*0.1	*2	*0.1	*5	*0.2
Other skin and musculoskeletal	142	1.0	59	1.0	83	1.1	55	1.1	22	0.9	33	1.4
Impairments												
Absence of arm(s)/hand(s)	*8	*0.1	*6	*0.1	*2	*0.0	*7	*0.1	*6	*0.2	*1	*0.1
Absence of leg(s)	108	0.8	57	0.9	52	0.7	72	1.5	42	1.7	30	1.2
Absence of fingers, toes, feet	*16	*0.1	*7	*0.1	*9	*0.1	*9	*0.2	*4	*0.2	*4	*0.2
Other absence, NEC	29	0.2	*13	*0.2	*16	*0.2	*10	*0.2	*6	*0.2	*4	*0.2
Complete paralysis of extremities	104	0.8	63	1.0	41	0.5	62	1.3	37	1.5	25	1.0
Cerebral palsy	74	0.5	73	1.2	*1	*0.0	39	0.8	39	1.6	.	.
Partial paralysis of extremities	187	1.4	74	1.2	113	1.5	82	1.7	37	1.5	45	1.9
Paralysis of other sites	60	0.4	35	0.6	26	0.3	29	0.6	17	0.7	*11	*0.4
Curvature of back or spine	63	0.5	46	0.7	17	0.2	*13	*0.3	*10	*0.4	*2	*0.1
Other impairment of back	354	2.6	249	4.1	105	1.4	111	2.3	85	3.4	26	1.1
Spina bifida	*10	*0.1	*9	*0.2	*1	*0.0	*5	*0.1	*5	*0.2	.	.
Impairment of upper extremities	124	0.9	83	1.3	42	0.5	46	1.0	40	1.6	*7	*0.3
Impairment of lower extremities	556	4.0	227	3.7	329	4.3	179	3.7	94	3.8	85	3.5
Other orthopedic impairment	65	0.5	37	0.6	28	0.4	22	0.4	*14	*0.6	*8	*0.3
Speech impairment	94	0.7	51	0.8	42	0.5	53	1.1	30	1.2	22	0.9
Blind in both eyes	235	1.7	99	1.6	135	1.8	111	2.3	54	2.2	56	2.3
Cataracts	277	2.0	45	0.7	232	3.0	92	1.9	*16	*0.7	76	3.1
Glaucoma	145	1.0	29	0.5	115	1.5	50	1.0	*12	*0.5	38	1.6
Other visual impairment/eye disorders	584	4.2	185	3.0	399	5.2	226	4.6	85	3.4	141	5.8
Deaf in both ears	57	0.4	21	0.3	37	0.5	27	0.5	*11	*0.4	*16	*0.7
Other hearing impairment/ear disorders	209	1.5	44	0.7	164	2.1	84	1.7	22	0.9	62	2.6

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 8B: PREVALENCE OF NEED FOR ASSISTANCE IN IADL OR ADL DUE TO CHRONIC CONDITIONS, BY ALL CAUSES OF LIMITATION, AGE, AND GENDER: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, AGES 5 AND OVER, 1983-1985 (THREE-YEAR AVERAGE)--CONTINUED

							Males					
All Causes of Limitation	*All Ages*		*5-69*		*70+*		*All Ages*		*5-69*		*70+*	
	Number of conditions in thousands and percent distribution											
Digestive												
Ulcers	69	0.5	24	0.4	46	0.6	26	0.5	*9	*0.4	17	0.7
Abdominal hernia	104	0.8	35	0.6	69	0.9	31	0.6	*9	*0.4	22	0.9
Enteritis and colitis	24	0.2	17	0.3	*8	*0.1	*4	*0.1	*1	*0.1	*2	*0.1
Cancer of digestive sites	69	0.5	31	0.5	38	0.5	29	0.6	*14	*0.6	*15	*0.6
Other digestive disorders	219	1.6	81	1.3	138	1.8	53	1.1	24	1.0	29	1.2
Circulatory												
Rheumatic fever	44	0.3	29	0.5	*15	*0.2	*4	*0.1	*3	*0.1	81	*0.0
Ischemic heart disease	592	4.3	263	4.3	329	4.3	222	4.5	126	5.1	96	4.0
Heart rhythm disorders	133	1.0	38	0.6	95	1.2	46	1.0	*14	*0.6	32	1.3
Other heart disease	756	5.5	223	3.6	533	6.9	260	5.3	94	3.8	166	6.9
Hypertension	692	5.0	221	3.6	470	6.1	165	3.4	56	2.3	109	4.5
Cerebrovascular disease	576	4.2	203	3.3	373	4.8	281	5.8	110	4.5	170	7.1
Arteriosclerosis	171	1.2	27	0.4	144	1.9	60	1.2	17	0.7	44	1.8
Phlebitis, varicose veins	97	0.7	53	0.9	44	0.6	22	0.5	*11	*0.4	*11	*0.5
Other circulatory	190	1.4	66	1.1	124	1.6	78	1.6	28	1.1	50	2.1
Respiratory												
Chronic bronchitis	61	0.4	23	0.4	38	0.5	*16	*0.3	*8	*0.3	*9	*0.4
Asthma	175	1.3	114	1.9	62	0.8	52	1.1	34	1.4	18	0.7
Hay fever	*10	*0.1	*6	*0.1	*4	*0.1	*3	*0.1	*2	*0.1	*1	*0.0
Sinusitis	27	0.2	*10	*0.2	17	0.2	*11	*0.2	*3	*0.1	*8	*0.4
Emphysema	311	2.2	159	2.6	152	2.0	188	3.9	95	3.9	93	3.9
Lung or bronchial cancer	47	0.3	23	0.4	24	0.3	30	0.6	*13	*0.5	17	0.7
Other respiratory disease	144	1.0	75	1.2	68	0.9	84	1.7	41	1.7	43	1.8

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 8B: PREVALENCE OF NEED FOR ASSISTANCE IN IADL OR ADL DUE TO CHRONIC CONDITIONS, BY ALL CAUSES OF LIMITATION, AGE, AND GENDER: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, AGES 5 AND OVER, 1983-1985 (THREE-YEAR AVERAGE)--CONTINUED

							Males					
All Causes of Limitation	***All Ages***		***5-69***		***70+***		***All Ages***		***5-69***		***70+***	
	Number of conditions in thousands and percent distribution											
Miscellaneous												
Diabetes	561	4.0	199	3.2	361	4.7	171	3.5	65	2.6	106	4.4
Anemias	34	0.2	*13	*0.2	21	0.3	*7	*0.1	*2	*0.1	*5	*0.2
Kidney disorders	89	0.6	40	0.6	49	0.6	23	0.5	*9	80.4	*13	*0.6
Female genital disorders	42	0.3	27	0.4	*16	*0.2	na	na	na	na	na	na
Schizophrenia/other psychoses	84	0.6	67	1.1	17	0.2	49	1.0	41	1.6	*9	*0.4
Neuroses/personality disorders	107	0.8	86	1.4	21	0.3	40	0.8	32	1.3	*8	*0.3
Other mental illness	87	0.6	56	0.9	32	0.4	38	0.8	26	1.0	*12	*0.5
Alchohol or drug dependency	*9	*0.1	*8	*0.1	*1	*0.0	*7	*0.1	*6	*0.2	*1	*0.0
Mental retardation	332	2.4	324	5.3	*8	*0.1	186	3.8	183	7.4	*4	*0.1
Epilepsy	102	0.7	88	1.4	*14	*0.2	55	1.1	47	1.9	*9	*0.4
Multiple sclerosis	65	0.5	59	1.0	*6	*0.1	21	0.4	20	0.8	*1	*0.1
Senility	309	2.2	*8	*0.1	301	3.9	99	2.0	*3	*0.1	96	4.0
Parkinson's disease	97	0.7	23	0.4	74	1.0	50	1.0	*12	*0.5	38	1.6
Other nervous disorders	244	1.8	146	2.4	98	1.3	91	1.9	59	2.4	32	1.3
Tuberculosis (all sites)	26	0.2	19	0.3	*6	*0.1	*3	*0.1	*2	*0.1	*1	*0.0
Other infectious/parasitic diseases	29	0.2	*13	*0.2	*16	*0.2	*8	*0.2	*6	*0.2	*2	*0.1
Leukemia	*15	*0.1	*8	*0.1	*8	*0.1	*5	*0.1	*3	*0.1	*2	*0.1
Cancer of female breast	46	0.3	20	0.3	26	0.3	na	na	na	na	na	na
Cancer of genitourinary sites	54	0.4	24	0.4	29	0.4	24	0.5	*5	*0.2	19	0.8
Cancer of all other sites, NEC	62	0.4	35	0.6	27	0.4	25	0.5	*14	*0.6	*10	*0.4
Surgical/medical complications	127	0.9	64	1.0	63	0.8	37	0.8	20	0.8	18	0.7
Other injuries	89	0.6	45	0.7	44	0.6	32	0.6	19	0.8	*12	*0.5
Other ill-defined conditions	348	2.5	181	2.9	169	2.2	115	2.4	69	2.8	47	2.0
All other chronic conditions	413	3.0	210	3.4	202	2.6	140	2.9	75	3.0	65	2.7

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 8B: PREVALENCE OF NEED FOR ASSISTANCE IN IADL OR ADL DUE TO CHRONIC CONDITIONS, BY ALL CAUSES OF LIMITATION, AGE, AND GENDER: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, AGES 5 AND OVER, 1983-1985 (THREE-YEAR AVERAGE)--CONTINUED

	Females					
All Causes of Limitation	*All Ages*		*5-69*		*70+*	
	Number of conditions in thousands and percent distribution					
All conditions	8,971	100.0	3,671	100.0	5,300	100.0
Skin and musculoskeletal						
Rheumatoid arthritis	174	1.9	109	3.0	65	1.2
Osteoarthritis/other arthropathies	1,271	14.2	438	11.9	834	15.7
Intervertebral disk disorders	183	2.0	149	4.1	34	0.6
Osteomyelitis/bone disorders	119	1.3	46	1.2	73	1.4
Bursitis	22	0.2	*13	*0.3	*9	*0.2
Psoriasis and dermatitis	*14	*0.2	*7	*0.2	*7	*0.1
Skin cancer	*8	*0.1	*2	*0.0	*6	*0.1
Bone cancer	22	0.2	*13	*0.3	*9	0.2
Other skin and musculoskeletal	87	1.0	37	1.0	50	1.0
Impairments						
Absence of arm(s)/hand(s)	*1	*0.0	.	.	*1	*0.0
Absence of leg(s)	36	0.4	*15	*0.4	22	0.4
Absence of fingers, toes, feet	*7	*0.1	*3	*0.1	*4	*0.1
Other absence, NEC	19	0.2	*7	*0.2	*12	*0.2
Complete paralysis of extremities	42	0.5	26	0.7	*16	*0.3
Cerebral palsy	35	0.4	34	0.9	*1	*0.0
Partial paralysis of extremities	105	1.2	37	1.0	68	1.3
Paralysis of other sites	32	0.4	18	0.5	*14	*0.3
Curvature of back or spine	51	0.6	36	1.0	*15	*0.3
Other impairment of back	243	2.7	164	4.5	79	1.5
Spina bifida	*5	*0.1	*4	*0.1	*1	*0.0
Impairment of upper extremities	78	0.9	43	1.2	35	0.7
Impairment of lower extremities	377	4.2	133	3.6	244	4.6
Other orthopedic impairment	43	0.5	23	0.6	20	0.4
Speech impairment	41	0.4	21	0.6	20	0.4
Blind in both eyes	124	1.4	45	1.2	79	1.5
Cataracts	185	2.1	29	0.8	156	2.9
Glaucoma	94	1.1	17	0.5	77	1.5
Other visual impairment/eye disorders	359	4.0	100	2.7	258	4.9
Deaf in both ears	31	0.3	*10	*0.3	21	0.4
Other hearing impairment/ear disorders	125	1.4	22	0.6	102	1.9

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 8B: PREVALENCE OF NEED FOR ASSISTANCE IN IADL OR ADL DUE TO CHRONIC CONDITIONS, BY ALL CAUSES OF LIMITATION, AGE, AND GENDER: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, AGES 5 AND OVER, 1983-1985 (THREE-YEAR AVERAGE)--CONTINUED

	Females					
All Causes of Limitation	***All Ages***		***5-69***		***70+***	
	Number of conditions in thousands and percent distribution					
Digestive						
Ulcers	43	0.5	*14	*0.4	29	0.5
Abdominal hernia	73	0.8	26	0.7	47	0.9
Enteritis and colitis	20	0.2	*15	*0.4	*5	*0.1
Cancer of digestive sites	40	0.4	17	0.5	23	0.4
Other digestive disorders	166	1.8	57	1.5	109	2.1
Circulatory						
Rheumatic fever	40	0.4	25	0.7	*15	*0.3
Ischemic heart disease	370	4.1	137	3.7	233	4.4
Heart rhythm disorders	87	1.0	24	0.6	63	1.2
Other heart disease	496	5.5	129	3.5	367	6.9
Hypertension	527	5.9	165	4.5	362	6.8
Cerebrovascular disease	295	3.3	92	2.5	203	3.8
Arteriosclerosis	111	1.2	*10	*0.3	100	1.9
Phlebitis, varicose veins	75	0.8	42	1.2	33	0.6
Other circulatory	112	1.3	38	1.0	74	1.4
Respiratory						
Chronic bronchitis	45	0.5	*15	*0.4	30	0.6
Asthma	123	1.4	79	2.2	44	0.8
Hay fever	*7	*0.1	*4	*0.1	*3	*0.1
Sinusitis	*15	*0.2	*7	*0.2	*8	*0.2
Emphysema	123	1.4	64	1.7	59	1.1
Lung or bronchial cancer	17	0.2	*10	*0.3	*7	*0.1
Other respiratory disease	60	0.7	34	0.9	25	0.5

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 8B: PREVALENCE OF NEED FOR ASSISTANCE IN IADL OR ADL DUE TO CHRONIC CONDITIONS, BY ALL CAUSES OF LIMITATION, AGE, AND GENDER: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, AGES 5 AND OVER, 1983-1985 (THREE-YEAR AVERAGE)--CONTINUED

	Females					
All Causes of Limitation	***All Ages***		***5-69***		***70+***	
	Number of conditions in thousands and percent distribution					
Miscellaneous						
Diabetes	390	4.3	134	3.7	256	4.8
Anemias	26	0.3	*10	*0.3	*16	*0.3
Kidney disorders	66	0.7	30	0.8	36	0.7
Female genital disorders	42	0.5	27	0.7	*16	*0.3
Schizophrenia/other psychoses	35	0.4	27	0.7	*8	*0.2
Neuroses/personality disorders	67	0.8	54	1.5	*13	*0.3
Other mental illness	49	0.5	29	0.8	20	0.4
Alchohol or drug dependency	*2	*0.0	*2	*0.1	.	.
Mental retardation	145	1.6	141	3.8	*4	*0.1
Epilepsy	46	0.5	41	1.1	*5	*0.1
Multiple sclerosis	44	0.5	40	1.1	*5	*0.1
Senility	210	2.3	*5	*0.1	205	3.9
Parkinson's disease	47	0.5	*11	*0.3	36	0.7
Other nervous disorders	153	1.7	87	2.4	66	1.2
Tuberculosis (all sites)	23	0.3	17	0.5	*6	*0.1
Other infectious/parasitic diseases	21	0.2	*7	*0.2	*14	*0.3
Leukemia	*11	*0.1	*5	*0.1	*6	*0.1
Cancer of female breast	46	0.5	20	0.6	26	0.5
Cancer of genitourinary sites	29	0.3	19	0.5	*10	*0.2
Cancer of all other sites, NEC	37	0.4	20	0.6	17	0.3
Surgical/medical complications	90	1.0	45	1.2	46	0.9
Other injuries	57	0.6	26	0.7	32	0.6
Other ill-defined conditions	234	2.6	112	3.0	122	2.3
All other chronic conditions	272	3.0	135	3.7	137	2.6

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 9: PREVALENCE OF SCHOOL LIMITATION DUE TO CHRONIC CONDITIONS, BY DEGREE OF LIMITATION AND SOCIODEMOGRAPHIC CHARACTERISTICS: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, AGES 5-17 YEARS, 1983-1985 (THREE-YEAR AVERAGE)

			Degree of School Limitation											
Characteristic	***All Persons***		***Not Limited in Activity***		***Limited in Non-School Activity***		***Limited in School Attendance***		***Needs-Does Not Attend Special School/Classes***		***Attends Special School/Classes***		***Unable to Attend School***	
			Number of persons in thousands and percent distribution											
All persons	44,675	100.0	41,886	93.8	826	1.8	472	1.1	149	0.3	1173	2.6	169	0.4
Gender:														
Male	22,795	100.0	21,127	92.7	455	2.0	237	1.0	108	0.5	776	3.4	93	0.4
Female	21,880	100.0	20,759	94.9	371	1.7	234	1.1	41	0.2	398	1.8	76	0.3
Race and ethnicity:														
Native American	341	100.0	309	90.6	*6	*1.7	*5	*1.4	*2	*0.6	*14	*4.1	*6	*1.6
Asian or Pacific Islander	941	100.0	921	97.8	*4	*0.5	*5	*0.5	*1	*0.1	*9	*0.9	*2	*0.2
Black non-Hispanic	6,499	100.0	6,058	93.2	90	1.4	95	1.5	27	0.4	194	3.0	35	0.5
Black Hispanic	201	100.0	183	91.3	*3	1.6	*4	*2.0	*1	*0.7	*6	*3.2	*2	*1.2
White non-Hispanic	31,816	100.0	29,833	93.8	643	2.0	308	1.0	102	0.3	841	2.6	88	0.3
White Hispanic	3,730	100.0	3,515	94.2	64	1.7	41	1.1	*12	*0.3	71	1.9	28	0.7
Other and unknown	1,148	100.0	1,069	93.1	*15	*1.3	*14	*1.2	*4	*0.4	38	3.3	*8	*0.7
Race and ethnicity and Gender:														
Native American														
Male	167	100.0	147	87.9	*2	*1.5	*2	*1.3	*1	*0.4	*10	*6.0	*5	*3.0
Female	173	100.0	162	93.2	*3	*1.8	*3	*1.5	*1	*0.8	*4	*2.2	*1	*0.3
Asian or Pacific Islander														
Male	491	100.0	478	97.5	*2	*0.4	*4	*0.8	*1	*0.1	*5	*0.9	*1	*0.2
Female	451	100.0	442	98.2	*2	*0.5	*1	*0.2	.	.	*4	*1.0	*1	*0.2
Black non-Hispanic														
Male	3,258	100.0	3,001	92.1	44	1.4	46	1.4	18	0.5	133	4.1	*16	*0.5
Female	3,241	100.0	3,057	94.3	45	1.4	50	1.5	*9	*0.3	61	1.9	19	0.6
Black Hispanic														
Male	98	100.0	88	89.3	*1	*1.4	*1	*1.4	*1	*1.5	*4	*4.0	*2	*2.4
Female	102	100.0	95	93.2	*2	*1.8	*3	*2.5	.	.	*2	*2.4	.	.
White non-Hispanic														
Male	16,296	100.0	15,101	92.7	362	2.2	157	1.0	78	0.5	550	3.4	48	0.3
Female	15,520	100.0	14,732	94.9	282	1.8	151	1.0	24	0.2	291	1.9	40	0.3

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 9: PREVALENCE OF SCHOOL LIMITATION DUE TO CHRONIC CONDITIONS, BY DEGREE OF LIMITATION AND SOCIODEMOGRAPHIC CHARACTERISTICS: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, AGES 5-17 YEARS, 1983-1985 (THREE-YEAR AVERAGE)--CONTINUED

			Degree of School Limitation											
Characteristic	*All Persons*		*Not Limited in Activity*		*Limited in Non-School Activity*		*Limited in School Attendance*		*Needs-Does Not Attend Special School/Classes*		*Attends Special School/Classes*		*Unable to Attend School*	
					Number of persons in thousands and percent distribution									
Race and ethnicity and Gender:														
White Hispanic														
Male	1,908	100.0	1,780	93.3	35	1.8	21	1.1	*7	*0.3	50	2.6	*16	*0.8
Female	1,822	100.0	1,735	95.2	29	1.6	20	1.1	*5	*0.3	21	1.1	*12	*0.7
Other and unknown														
Male	578	100.0	532	92.2	*8	*1.3	*6	*1.1	*3	*0.5	24	4.1	*5	*0.8
Female	571	100.0	536	94.0	*8	*1.4	*8	*1.4	*1	*0.2	*14	*2.4	*4	*0.7
Poverty Status:														
Above poverty line	32,782	100.0	30,844	94.1	624	1.9	320	1.0	97	0.3	799	2.4	98	0.3
At or below poverty line	7,026	100.0	6,407	91.2	121	1.7	115	1.6	38	0.5	290	4.1	55	0.8
Unknown	4,867	100.0	4,635	95.2	81	1.7	37	0.8	*14	*0.3	84	1.7	*16	*0.3
Poverty and gender:														
Above poverty line														
Male	16,776	100.0	15,613	93.1	341	2.0	163	1.0	72	0.4	531	3.2	57	0.3
Female	16,007	100.0	15,231	95.2	283	1.8	157	1.0	25	0.2	269	1.7	41	0.3
At or below poverty line														
Male	3,557	100.0	3,196	89.8	68	1.9	58	1.6	22	0.6	188	5.3	26	0.7
Female	3,469	100.0	3,211	92.6	54	1.6	57	1.6	*16	*0.4	102	2.9	29	0.8
Unknown														
Male	2,462	100.0	2,318	94.1	47	1.9	17	0.7	*13	*0.5	57	2.3	*10	0.4
Female	2,405	100.0	2,317	96.4	34	1.4	21	0.9	*1	*0.0	27	1.1	*6	0.2

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 10: PREVALENCE OF MULTIPLE CHRONIC CONDITIONS (WITHIN THE SIX NHIS CHECKLISTS): UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, 1983-1985 (THREE-YEAR AVERAGE)

First Condition	*Second Condition*	*Third Condition*	*Number (1,000s)*	*Rate per 1,000*
Skin and musculoskeletal				
Rheumatoid arthritis	none	none	678	2.9
	Other selected skin and musc.	none	387	1.7
		Other selected skin and musc.	409	1.8
Osteoarthritis/Other arthropathies	none	none	16,896	73.0
	Osteoarthritis/Other arthropathies	none	484	2.1
		Other selected skin and musc.	634	2.7
	Intervertebral disk disorders	none	774	3.3
		Other selected skin and musc.	666	2.9
	Osteomyelitis/bone disorders	none	495	2.1
		Other selected skin and musc.	629	2.7
	Bursitis	none	807	3.5
		Psoriasis and dermatitis	100	0.4
		Other selected skin and musc.	772	3.3
	Psoriasis and dermatitis	none	994	4.3
		Other selected skin and musc.	693	3.0
	Skin cancer	none	356	1.5
		Other selected skin and musc.	241	1.0
	Other selected skin and musc.	none	3,605	15.6
		Other selected skin and musc.	735	3.2
Intervertebral disk disorders	none	none	1,606	6.9
	Osteomyelitis/one disorders	Other selected skin and musc.	108	0.5
	Bursitis	Other selected skin and musc.	175	0.8
	Psoriasis and dermatitis	none	97	0.4
		Other selected skin and musc.	195	0.8
	Other selected skin and musc.	none	412	1.8
		Other selected skin and musc.	358	1.5

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 10: PREVALENCE OF MULTIPLE CHRONIC CONDITIONS (WITHIN THE SIX NHIS CHECKLISTS): UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, 1983-1985 (THREE-YEAR AVERAGE)--CONTINUED

First Condition	*Second Condition*	*Third Condition*	*Number (1,000s)*	*Rate per 1,000*
Osteomyelitis/bone disorders	none	none	1001	4.3
	Bursitis	Other selected skin and musc.	99	0.4
	Psoriasis and dermatitis	none	117	0.5
		Other selected skin and musc.	101	0.4
	Other selected skin and musc.	none	290	1.3
		Other selected skin and musc.	310	1.3
Bursitis	none	none	1,820	7.9
	Bursitis	Other selected skin and musc.	81	0.3
	Psoriasis and dermatitis	none	144	0.6
		Other selected skin and musc.	102	0.4
	Other selected skin and musc.	none	435	1.9
		Other selected skin and musc.	372	1.6
Psoriasis and dermatitis	none	none	7,074	30.6
	Psoriasis and dermatitis	none	114	0.5
	Other selected skin and musc.	none	1,054	4.6
		Other selected skin and musc.	442	1.9
Skin cancer	none	none	421	1.8
	Other selected skin and musc.	none	92	0.4
Other selected skin and musc.	none	none	13,892	60.0
	Other selected skin and musc.	none	1,090	4.7
		Other selected skin and musc.	304	1.3
Impairments				
Blind in both eyes	none	none	103	0.4
	Other impairment	none	124	0.5
		Other impairment	290	1.3

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

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TABLE 10: PREVALENCE OF MULTIPLE CHRONIC CONDITIONS (WITHIN THE SIX NHIS CHECKLISTS): UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, 1983-1985 (THREE-YEAR AVERAGE)--CONTINUED

First Condition	*Second Condition*	*Third Condition*	*Number (1,000s)*	*Rate per 1,000*
Deaf in both ears	none	none	776	3.4
	Cataracts	none	133	0.6
		Other impairment	86	0.4
	Other visual impairment	Other impairment	91	0.4
	Other hearing impairment	none	127	0.6
		Other impairment	158	0.7
	Other impairment	none	330	1.4
		Other impairment	345	1.5
Speech impairments	none	none	590	2.5
	Mental retardation	none	98	0.4
	Other hearing impairment	none	100	0.4
		Other impairment	106	0.5
	Other impairment	none	190	0.8
		Other impairment	419	1.8
Mental retardation	none	none	626	2.7
	Other impairment	none	163	0.7
		Other impairment	218	0.9
Absence of leg(s)	none	none	112	0.5
	Other impairment	Other impairment	200	0.9
Absence of fingers, toes, feet	none	none	935	4.0
	Other hearing impairment	none	262	1.1
		Other impairment	112	0.5
	Other impairment	none	304	1.3
		Other impairment	279	1.2
Other absence, NEC	none	none	520	2.2
	Other hearing impairment	none	96	0.4
		Other impairment	90	0.4
	Other impairment	none	212	0.9
		Other impairment	233	1.0

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 10: PREVALENCE OF MULTIPLE CHRONIC CONDITIONS (WITHIN THE SIX NHIS CHECKLISTS): UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, 1983-1985 (THREE-YEAR AVERAGE)--CONTINUED

First Condition	*Second Condition*	*Third Condition*	*Number (1,000s)*	*Rate per 1,000*
Complete paralysis of extremities	none	none	186	0.8
	Other impairment	none	139	0.6
		Other impairment	177	0.8
Cerebral palsy	none	none	104	0.4
Partial paralysis of extremities	none	none	191	0.8
	Other hearing impairment	Other impairment	83	0.4
	Other impairment	none	105	0.5
		Other impairment	188	0.8
Curvature of back or spine	none	none	2,911	12.6
		Other impairment	140	0.6
	Impairment of lower extremities	none	245	1.1
		Other impairment	216	0.9
	Cataracts	Other impairment	108	0.5
	Other visual impairment	none	83	0.4
		Other impairment	149	0.6
	Other hearing impairment	none	393	1.7
		Other impairment	246	1.1
	Other impairment	none	178	0.8
		Other impairment	180	0.8
Other impairment of back	none	none	5,507	23.8
	Impairment of upper extremities	none	235	1.0
		Other impairment	161	0.7
	Impairment of lower extremities	none	639	2.8
		Other visual impairment	92	0.4
		Other hearing impairment	204	0.9
		Other impairment	239	1.0

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 10: PREVALENCE OF MULTIPLE CHRONIC CONDITIONS (WITHIN THE SIX NHIS CHECKLISTS): UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, 1983-1985 (THREE-YEAR AVERAGE)--CONTINUED

First Condition	*Second Condition*	*Third Condition*	*Number (1,000s)*	*Rate per 1,000*
Other impairment of back	Cataracts	none	122	0.5
		Other impairment	205	0.9
	Glaucoma	Other impairment	97	0.4
	Other visual impairment	none	341	1.5
		Other hearing impairment	134	0.6
		Other impairment	95	0.4
	Other hearing impairment	none	1,058	4.6
		Other impairment	227	1.0
	Other impairment	none	117	0.5
Impairment of upper extremities	none	none	1,337	5.8
	Impairment of lower extremities	none	165	0.7
		Other impairment	253	1.1
	Cataracts	Other impairment	98	0.4
	Other visual impairment	Other impairment	127	0.5
	Other hearing impairment	none	313	1.4
		Other impairment	232	1.0
	Other impairment	none	178	0.8
		Other impairment	96	0.4
Impairment of lower extremities	none	none	5,441	23.5
	Impairment of lower extremities	none	124	0.5
		Other impairment	211	0.9
	Cataracts	none	164	0.7
		Other impairment	187	0.8
	Other visual impairment	none	328	1.4
		Other hearing impairment	118	0.5
		Other impairment	201	0.9
	Other hearing impairment	none	817	3.5
		Other impairment	393	1.7
	Other impairment	Other impairment	187	0.8
Other orthopedic impairment	none	none	115	0.5

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 10: PREVALENCE OF MULTIPLE CHRONIC CONDITIONS (WITHIN THE SIX NHIS CHECKLISTS): UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, 1983-1985 (THREE-YEAR AVERAGE)--CONTINUED

First Condition	*Second Condition*	*Third Condition*	*Number (1,000s)*	*Rate per 1,000*
Cataracts	none	none	1,894	8.2
	Glaucoma	none	181	0.8
		Other impairment	229	1.0
	Other visual impairment	none	322	1.4
		Other hearing impairment	208	0.9
		Other impairment	340	1.5
	Other hearing impairment	none	839	3.6
		Other impairment	406	1.8
	Other impairment	Other impairment	90	0.4
Glaucoma	none	none	506	2.2
	Other visual impairment	none	180	0.8
		Other impairment	192	0.8
	Other hearing impairment	none	116	0.5
		Other impairment	188	0.8
Other visual impairment	none	none	3,918	16.9
	Other visual impairment	none	123	0.5
		Other impairment	106	0.5
	Other hearing impairment	none	927	4.0
		Other impairment	372	1.6
	Other impairment	Other impairment	88	0.4
Other hearing impairment	none	none	11,841	51.1
	Other impairment	none	183	0.8
		Other impairment	138	0.6
Digestive				
Ulcers	none	none	2,917	12.6
	Abdominal hernia	none	232	1.0
		Other selected digestive disorders	212	0.9
	Other selected digestive disorders	none	809	3.5
		Other selected digestive disorders	325	1.4

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 10: PREVALENCE OF MULTIPLE CHRONIC CONDITIONS (WITHIN THE SIX NHIS CHECKLISTS): UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, 1983-1985 (THREE-YEAR AVERAGE)--CONTINUED

First Condition	*Second Condition*	*Third Condition*	*Number (1,000s)*	*Rate per 1,000*
Abdominal hernia	none	none	3,075	13.3
	Other selected digestive disorders	none	889	3.8
		Other selected digestive disorders	496	2.1
Enteritis and colitis	none	none	1,562	6.7
	Other selected digestive disorders	none	396	1.7
		Other selected digestive disorders	223	1.0
Cancer of digestive sites	none	none	117	0.5
Other selected digestive disorders	none	none	12,219	52.8
	Other selected digestive disorders	none	1,536	6.6
		Other selected digestive disorders	293	1.3
Circulatory				
Rheumatic fever	none	none	675	2.9
	Ischemic heart disease	Other circulatory	159	0.7
	Heart rhythm disorders	Other circulatory	96	0.4
	Hypertension	none	160	0.7
		Other circulatory	223	1.0
	Other circulatory	none	222	1.0
		Other circulatory	262	1.1
Ischemic heart disease	none	none	1,416	6.1
	Ischemic heart disease	none	189	0.8
		Hypertension	190	0.8
		Arteriosclerosis	81	0.3
		Other circulatory	299	1.3
	Heart rhythm disorders	none	83	0.4
		Hypertension	178	0.8
		Other circulatory	271	1.2

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 10: PREVALENCE OF MULTIPLE CHRONIC CONDITIONS (WITHIN THE SIX NHIS CHECKLISTS): UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, 1983-1985 (THREE-YEAR AVERAGE)–CONTINUED

First Condition	*Second Condition*	*Third Condition*	*Number (1,000s)*	*Rate per 1,000*
Ischemic heart disease	Other heart disease	none	89	0.4
		Hypertension	177	0.8
		Other circulatory	369	1.6
	Hypertension	none	1,063	4.6
		Cerebrovascular disease	169	0.7
		Arteriosclerosis	373	1.6
		Phlebitis, varicose veins	122	0.5
		Other circulatory	301	1.3
	Cerebrovascular disease	none	90	0.4
		Other circulatory	217	0.9
	Arteriosclerosis	none	190	0.8
		Other circulatory	243	1.1
	Phlebitis, varicose veins	Other circulatory	138	0.6
	Other circulatory	none	212	0.9
		Other circulatory	206	0.9
Heart rhythm disorders	none	none	3,582	15.5
	Heart rhythm disorders	Other circulatory	83	0.4
	Other heart disease	none	119	0.5
		Hypertension	126	0.5
		Other circulatory	154	0.7
	Hypertension	none	958	4.1
		Arteriosclerosis	89	0.4
		Phlebitis, varicose veins	162	0.7
		Other circulatory	375	1.6
	Cerebrovascular disease	Other circulatory	84	0.4
	Arteriosclerosis	Other circulatory	118	0.5
	Phlebitis, varicose veins	none	228	1.0
		Other circulatory	156	0.7
	Other circulatory	none	446	1.9
		Other circulatory	189	0.8

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 10: PREVALENCE OF MULTIPLE CHRONIC CONDITIONS (WITHIN THE SIX NHIS CHECKLISTS): UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, 1983-1985 (THREE-YEAR AVERAGE)--CONTINUED

First Condition	*Second Condition*	*Third Condition*	*Number (1,000s)*	*Rate per 1,000*
Other heart disease	none	none	1,492	6.4
	Hypertension	none	848	3.7
		Cerebrovascular disease	159	0.7
		Arteriosclerosis	196	0.8
		Phlebitis, varicose veins	116	0.5
		Other circulatory	250	1.1
	Cerebrovascular disease	Other circulatory	106	0.5
	Arteriosclerosis	Other circulatory	184	0.8
	Phlebitis, varicose veins	none	129	0.6
		Other circulatory	114	0.5
	Other circulatory	none	296	1.3
		Other circulatory	192	0.8
Hypertension	none	none	17,760	76.7
	Cerebrovascular disease	none	585	2.5
		Arteriosclerosis	149	0.6
		Other circulatory	220	0.9
	Arteriosclerosis	none	383	1.7
		Phlebitis, varicose veins	102	0.4
		Other circulatory	115	0.5
	Phlebitis, varicose veins	none	1,153	5.0
		Other circulatory	407	1.8
	Other circulatory	none	1,677	7.2
		Other circulatory	214	0.9
Cerebrovascular disease	none	none	423	1.8
	Arteriosclerosis	Other circulatory	140	0.6
	Phlebitis, varicose veins	Other circulatory	94	0.4
	Other circulatory	none	106	0.5
		Other circulatory	163	0.7

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 10: PREVALENCE OF MULTIPLE CHRONIC CONDITIONS (WITHIN THE SIX NHIS CHECKLISTS): UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, 1983-1985 (THREE-YEAR AVERAGE)--CONTINUED

First Condition	Second Condition	Third Condition	Number (1,000s)	Rate per 1,000
Arteriosclerosis	none	none	506	2.2
	Other circulatory	none	130	0.6
		Other circulatory	183	0.8
Phlebitis, varicose veins	none	none	3,391	14.6
	Phlebitis, varicose veins	none	104	0.4
		Other circulatory	87	0.4
	Other circulatory	none	678	2.9
		Other circulatory	233	1.0
Other circulatory	none	none	6,229	26.9
	Other circulatory	Other circulatory	81	0.3
Respiratory				
Chronic bronchitis	none	none	5,336	23.0
	Asthma	none	921	4.0
		Sinusitis	331	1.4
		Emphysema	107	0.5
		Other selected respiratory disease	243	1.0
	Hay fever	none	689	3.0
		Sinusitis	409	1.8
		Other selected respiratory disease	220	1.0
	Sinusitis	none	1,675	7.2
		Emphysema	82	0.4
		Other selected respiratory disease	268	1.2
	Emphysema	none	219	0.9
	Other selected respiratory disease	none	526	2.3
		Other selected respiratory disease	264	1.1
	Other selected respiratory disease	none	1168	5.0
		Other selected respiratory disease	188	0.8

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 10: PREVALENCE OF MULTIPLE CHRONIC CONDITIONS (WITHIN THE SIX NHIS CHECKLISTS): UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, 1983-1985 (THREE-YEAR AVERAGE)--CONTINUED

First Condition	*Second Condition*	*Third Condition*	*Number (1,000s)*	*Rate per 1,000*
Asthma	none	none	5,267	22.7
	Hay fever	none	102	0.4
		Other selected respiratory disease	117	0.5
	Sinusitis	none	767	3.3
		Other selected respiratory disease	248	1.1
	Emphysema	none	116	0.5
		Other selected respiratory disease	87	0.4
	Other selected respiratory disease	none	357	1.5
		Other selected respiratory disease	158	0.7
Hay fever	none	none	13,717	59.2
	Sinusitis	none	3,640	15.7
		Other selected respiratory disease	384	1.7
	Other selected respiratory disease	none	733	3.2
		Other selected respiratory disease	181	0.8
Sinusitis	none	none	21,705	93.7
	Emphysema	none	203	0.9
		Other selected respiratory disease	154	0.7
Emphysema	none	none	885	3.8
	Other selected respiratory disease	none	99	0.4
		Other selected respiratory disease	180	0.8
Lung or bronchial cancer	none	none	112	0.5
Other selected respiratory disease	none	none	3,897	16.8
	Other selected respiratory disease	none	143	0.6
		Other selected respiratory disease	152	0.7

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 10: PREVALENCE OF MULTIPLE CHRONIC CONDITIONS (WITHIN THE SIX NHIS CHECKLISTS): UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, 1983-1985 (THREE-YEAR AVERAGE)–CONTINUED

First Condition	*Second Condition*	*Third Condition*	*Number (1,000s)*	*Rate per 1,000*
Abdominal hernia	none	none	3,075	13.3
	Other selected digestive disorders	none	889	3.8
		Other selected digestive disorders	496	2.1
Enteritis and colitis	none	none	1,562	6.7
	Other selected digestive disorders	none	396	1.7
		Other selected digestive disorders	223	1.0
Cancer of digestive sites	none	none	117	0.5
Other selected digestive disorders	none	none	12,219	52.8
	Other selected digestive disorders	none	1,536	6.6
		Other selected digestive disorders	293	1.3
Miscellaneous				
Diabetes	none	none	5,054	21.8
	Anemias	none	150	0.6
	Kidney disorders	none	210	0.9
	Female genital disorders	none	97	0.4
	Migraine headache	none	200	0.9
	Other miscellaneous	none	107	0.5
		Other miscellaneous	200	0.9
Anemias	none	none	2,396	10.3
	Kidney disorders	none	163	0.7
	Female genital disorders	none	231	1.0
		Other miscellaneous	150	0.6
	Migraine headache	none	293	1.3
		Other miscellaneous	83	0.4
	Other miscellaneous	Other miscellaneous	99	0.4

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 10: PREVALENCE OF MULTIPLE CHRONIC CONDITIONS (WITHIN THE SIX NHIS CHECKLISTS): UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, 1983-1985 (THREE-YEAR AVERAGE)–CONTINUED

First Condition	*Second Condition*	*Third Condition*	*Number (1,000s)*	*Rate per 1,000*
Epilepsy	none	none	859	3.7
	Other miscellaneous	none	108	0.5
Kidney disorders	none	none	2,387	10.3
	Female genital disorders	none	89	0.4
		Other miscellaneous	81	0.4
	Migraine headache	none	240	1.0
Multiple sclerosis	none	none	117	0.5
Female genital disorders	none	none	4,026	17.4
	Female genital disorders	none	248	1.1
	Migraine headache	none	464	2.0
		Other miscellaneous	105	0.5
	Other miscellaneous	Other miscellaneous	90	0.4
Cancer of the breast	none	none	322	1.4
Cancer of genitourinary sites	none	none	215	0.9
Migraine headache	none	none	6,257	27.0

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 11: PREVALENCE OF ACTIVITY LIMITATION DUE TO CHRONIC CONDITIONS, BY MAIN AND SECONDARY CAUSES AND DEGREE OF LIMITATION: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, 1983-1985 (THREE-YEAR AVERAGE)

		Degree of Activity Limitation							
Main Cause	***Secondary Cause***	***All Limited in Activity***		***Limited in Non-Major Activity***		***Limited in Amount or Kind of Major Activity***		***Unable to Perform Major Activity***	
		Number of conditions in thousands and percent distribution							
Total		37,488	100.00	10,942	29.19	15,534	41.43	11,012	29.37
Skin and musculoskeletal									
Arthritis	none	2,253	100.00	925	41.08	899	39.90	428	19.02
	Arthritis	145	100.00	39	27.02	58	39.77	48	33.20
	Intervertebral disk disorders	42	100.00	*9	*21.96	19	44.33	*14	*33.72
	Other skin and musculoskeletal	135	100.00	30	22.42	54	40.34	50	37.24
	Eye/ear impairments	195	100.00	50	26.25	75	38.22	70	35.52
	Absence/paralysis of extremities	39	100.00	*8	*21.15	*13	*33.43	18	45.41
	Back impairments	61	100.00	*14	*23.37	28	46.37	18	30.26
	Impairment of lower extremities	70	100.00	*15	*20.81	31	44.08	25	35.12
	Other orthopedic impairment	34	100.00	*7	*21.25	21	59.98	*6	*18.77
	Digestive disorders	166	100.00	34	20.79	80	48.44	51	30.77
	Diabetes	185	100.00	40	21.46	92	49.86	53	28.68
	Mental illness	33	100.00	*6	*18.29	*14	*42.39	*13	*39.32
	Nervous disorders	51	100.00	*12	*23.90	22	43.58	17	32.52
	Heart disease	289	100.00	64	22.32	131	45.41	93	32.26
	Hypertension	469	100.00	135	28.76	198	42.29	136	28.95
	Other circulatory	87	100.00	21	24.47	40	45.63	26	29.90
	Asthma	47	100.00	*9	*18.94	25	53.67	*13	*27.40
	Emphysema	35	100.00	*9	*24.97	*12	*33.38	*14	*41.64
	Other respiratory disease	50	100.00	*13	*25.44	22	45.20	*15	*29.37
	Cancer of all sites	26	100.00	*3	*12.69	*12	*45.83	*11	*41.48
	All other	296	100.00	69	23.39	129	43.51	98	33.10

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 11: PREVALENCE OF ACTIVITY LIMITATION DUE TO CHRONIC CONDITIONS, BY MAIN AND SECONDARY CAUSES AND DEGREE OF LIMITATION: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, 1983-1985 (THREE-YEAR AVERAGE)--CONTINUED

		Degree of Activity Limitation							
Main Cause	*Secondary Cause*	*All Limited in Activity*		*Limited in Non-Major Activity*		*Limited in Amount or Kind of Major Activity*		*Unable to Perform Major Activity*	
		Number of conditions in thousands and percent distribution							
Intervertebral disk disorders	none	1,056	100.00	262	24.78	561	53.07	234	22.14
	Arthritis	83	100.00	*11	*13.51	41	49.51	31	36.98
	Impairment of lower extremities	41	100.00	*6	*15.06	*16	*38.89	19	46.05
	Digestive disorders	39	100.00	*5	*13.50	*16	*40.25	18	46.25
	Heart disease	45	100.00	*7	*15.99	21	46.72	17	37.30
	Hypertension	51	100.00	*7	*13.68	23	44.73	21	41.59
	All other	245	100.00	31	12.76	109	44.62	104	42.62
Other skin and musculoskeletal	none	550	100.00	253	45.93	212	38.55	85	15.52
	Arthritis	93	100.00	24	26.22	40	42.85	29	30.93
	Heart disease	34	100.00	*7	*20.64	*8	*23.53	19	55.83
	Hypertension	67	100.00	*11	*16.48	33	48.45	24	35.07
	All other	274	100.00	58	21.15	122	44.57	94	34.28
Impairments									
Eye/ear impairments	none	1,281	100.00	606	47.30	515	40.22	160	12.47
	Arthritis	129	100.00	29	22.60	66	51.32	34	26.08
	Other skin and musculoskeletal	27	100.00	*5	*16.96	*13	*50.25	*9	*32.79
	Eye/ear impairments	481	100.00	159	32.99	228	47.45	94	19.56
	Impairment of lower extremities	28	100.00	*9	*31.25	*16	57.92	*3	*10.83
	Digestive disorders	30	100.00	*7	*22.37	*12	*39.68	*12	*37.95
	Diabetes	92	100.00	*12	*13.59	45	48.53	35	37.88
	Nervous disorders	33	100.00	*8	*24.97	*16	*48.16	*9	*26.86
	Heart disease	99	100.00	17	16.77	48	48.53	34	34.70
	Hypertension	96	100.00	20	20.81	45	46.47	32	32.72
	Other circulatory	45	100.00	*9	*20.51	23	51.00	*13	*28.49
	All other	309	100.00	76	24.63	147	47.54	86	27.82

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 11: PREVALENCE OF ACTIVITY LIMITATION DUE TO CHRONIC CONDITIONS, BY MAIN AND SECONDARY CAUSES AND DEGREE OF LIMITATION: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, 1983-1985 (THREE-YEAR AVERAGE)--CONTINUED

		Degree of Activity Limitation							
Main Cause	*Secondary Cause*	*All Limited in Activity*		*Limited in Non-Major Activity*		*Limited in Amount or Kind of Major Activity*		*Unable to Perform Major Activity*	
		Number of conditions in thousands and percent distribution							
Absence/paralysis of extremities	none	516	100.00	131	25.39	225	43.66	160	30.95
	Arthritis	40	100.00	*8	*20.46	17	42.53	*15	*37.01
	Eye/ear impairments	55	100.00	*6	*10.74	25	45.35	24	43.90
	Absence/paralysis of extremities	27	100.00	*2	*7.42	*10	*38.88	*14	*53.70
	Diabetes	52	100.00	*4	*8.66	*11	*21.85	36	69.49
	Heart disease	39	100.00	*3	*7.37	*11	26.89	26	65.74
	Hypertension	40	100.00	*3	*7.20	*11	*27.45	26	65.35
	Cerebrovascular disease	68	100.00	*6	*8.66	19	28.00	43	63.34
	All other	223	100.00	26	11.69	66	29.55	131	58.76
Back impairments	none	1,812	100.00	621	34.27	925	51.03	266	14.70
	Arthritis	106	100.00	21	19.43	50	46.60	36	33.97
	Other skin and musculoskeletal	39	100.00	*10	*26.49	22	56.67	*7	*16.85
	Eye/ear impairments	54	100.00	*10	*17.89	31	56.47	*14	*25.64
	Impairment of lower extremities	189	100.00	42	22.39	83	43.78	64	33.83
	Other orthopedic impairment	67	100.00	*15	*22.68	28	41.34	24	35.98
	Digestive disorders	41	100.00	*10	*24.06	21	50.30	*11	*25.64
	Diabetes	33	100.00	*7	*20.83	*12	*37.71	*14	*41.46
	Nervous disorders	29	100.00	*6	*19.40	*13	*43.49	*11	*37.11
	Heart disease	85	100.00	20	23.43	31	36.26	34	40.31
	Hypertension	84	100.00	19	22.36	41	48.58	24	29.06
	All other	273	100.00	60	21.94	137	50.42	75	27.63

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent).

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 11: PREVALENCE OF ACTIVITY LIMITATION DUE TO CHRONIC CONDITIONS, BY MAIN AND SECONDARY CAUSES AND DEGREE OF LIMITATION: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, 1983-1985 (THREE-YEAR AVERAGE)--CONTINUED

		Degree of Activity Limitation							
Main Cause	***Secondary Cause***	***All Limited in Activity***		***Limited in Non-Major Activity***		***Limited in Amount or Kind of Major Activity***		***Unable to Perform Major Activity***	
		Number of conditions in thousands and percent distribution							
Impairment of lower extremities	none	1,443	100.00	748	51.81	493	34.18	202	14.01
	Arthritis	68	100.00	18	26.62	31	44.65	20	28.73
	Eye/ear impairments	67	100.00	*11	*15.93	30	45.54	26	38.53
	Back impairments	83	100.00	19	22.61	43	52.42	21	24.97
	Impairment of lower extremities	42	100.00	*13	*30.31	17	41.08	*12	*28.61
	Other orthopedic impairment	42	100.00	*11	*25.11	17	41.35	*14	*33.54
	Heart disease	61	100.00	*12	*19.52	26	42.53	23	37.95
	Hypertension	57	100.00	*14	*25.20	28	49.79	*14	*25.00
	All other	293	100.00	62	21.31	127	43.45	103	35.23
Other orthopedic impairment	none	481	100.00	179	37.11	218	45.35	84	17.54
	Back impairments	28	100.00	*6	*22.97	*13	*46.74	*8	*30.29
	Impairment of lower extremities	50	100.00	*11	*22.19	·20	39.73	19	38.08
	All other	168	100.00	29	17.03	67	40.02	72	42.95
Digestive									
Digestive disorders	none	429	100.00	164	38.22	190	44.36	75	17.42
	Arthritis	46	100.00	*15	*33.24	*14	*29.69	17	37.07
	Digestive disorders	61	100.00	18	29.77	21	34.92	22	35.31
	Heart disease	50	100.00	*14	*26.85	*15	*29.00	22	44.15
	Hypertension	47	100.00	*14	*29.92	21	43.70	*13	*26.37
	All other	249	100.00	56	22.70	107	43.18	85	34.12

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 11: PREVALENCE OF ACTIVITY LIMITATION DUE TO CHRONIC CONDITIONS, BY MAIN AND SECONDARY CAUSES AND DEGREE OF LIMITATION: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, 1983-1985 (THREE-YEAR AVERAGE)--CONTINUED

		Degree of Activity Limitation							
Main Cause	***Secondary Cause***	***All Limited in Activity***		***Limited in Non-Major Activity***		***Limited in Amount or Kind of Major Activity***		***Unable to Perform Major Activity***	
		Number of conditions in thousands and percent distribution							
Circulatory									
Heart disease	none	1,971	100.00	715	36.30	774	39.29	481	24.40
	Arthritis	384	100.00	96	24.90	149	38.74	140	36.36
	Intervertebral disk disorders	50	100.00	*10	*20.26	21	42.05	19	37.69
	Other skin and musculoskeletal	67	100.00	*14	*21.57	24	36.21	28	42.22
	Eye/ear impairments	139	100.00	35	24.99	51	37.12	53	37.89
	Absence/paralysis of extremities	37	100.00	*6	*15.96	*12	*31.88	19	52.16
	Back impairments	55	100.00	*13	*23.57	20	36.81	22	39.62
	Impairment of lower extremities	53	100.00	*10	*19.90	17	32.76	25	47.34
	Digestive disorders	144	100.00	22	15.29	56	39.02	66	45.69
	Diabetes	313	100.00	58	18.58	107	34.16	148	47.26
	Nervous disorders	49	100.00	*9	*18.26	20	30.09	20	41.65
	Heart disease	80	100.00	17	21.16	32	39.54	31	39.30
	Hypertension	458	100.00	119	25.93	174	37.91	166	36.17
	Cerebrovascular disease	56	100.00	*6	*11.34	*15	*27.59	34	61.08
	Other circulatory	121	100.00	23	18.85	42	34.27	57	46.88
	Asthma	45	100.00	*7	*16.60	18	40.37	19	43.04
	Emphysema	90	100.00	*14	*15.97	21	23.56	55	60.47
	Other respiratory disease	81	100.00	*9	*10.95	28	34.36	44	54.69
	Cancer of all sites	43	100.00	*11	*24.78	*11	*26.22	21	49.00
	All other	284	100.00	49	17.38	108	37.93	127	44.70
Hypertension	none	633	100.00	301	47.58	233	36.86	98	15.57
	Arthritis	140	100.00	49	34.71	55	39.54	36	25.75
	Eye/ear impairments	47	100.00	*15	*32.19	20	41.78	*12	*26.03
	Digestive disorders	58	100.00	*14	*23.85	18	31.72	26	44.43
	Diabetes	107	100.00	27	25.52	43	40.27	37	34.22
	Heart disease	136	100.00	34	25.11	57	42.07	45	32.82
	Other circulatory	37	100.00	*12	*32.18	18	47.95	*7	*19.87
	All other	320	100.00	98	30.64	118	36.72	105	32.64

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 11: PREVALENCE OF ACTIVITY LIMITATION DUE TO CHRONIC CONDITIONS, BY MAIN AND SECONDARY CAUSES AND DEGREE OF LIMITATION: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, 1983-1985 (THREE-YEAR AVERAGE)--CONTINUED

		Degree of Activity Limitation							
Main Cause	Secondary Cause	All Limited in Activity		Limited in Non-Major Activity		Limited in Amount or Kind of Major Activity		Unable to Perform Major Activity	
		Number of conditions in thousands and percent distribution							
Cerebrovascular disease	none	149	100.00	28	19.07	48	32.04	73	48.89
	Arthritis	39	100.00	*4	*9.29	*13	*32.52	23	58.19
	Eye/ear impairments	42	100.00	*11	*27.11	*10	*24.99	20	47.89
	Absence/paralysis of extremities	205	100.00	32	15.49	61	29.99	112	54.52
	Diabetes	41	100.00	*3	*7.79	*7	*17.71	30	74.50
	Heart disease	90	100.00	*7	*8.07	28	31.26	55	60.66
	Hypertension	113	100.00	*15	*12.87	26	23.19	72	63.94
	All other	169	100.00	26	15.47	29	17.15	114	67.38
Other circulatory	none	398	100.00	178	44.77	141	35.39	79	19.84
	Arthritis	60	100.00	*14	*24.19	25	42.40	20	33.41
	Eye/ear impairments	49	100.00	*11	*21.82	21	42.32	18	35.86
	Diabetes	43	100.00	*12	*26.77	*16	*37.55	*15	*35.68
	Heart disease	67	100.00	17	24.71	25	37.72	25	37.57
	Hypertension	71	100.00	20	27.65	28	39.14	24	33.20
	All other	215	100.00	47	21.75	83	38.58	85	39.67
Respiratory									
Asthma	none	1,107	100.00	499	45.02	498	44.97	111	10.01
	Arthritis	42	100.00	*13	*31.49	*16	*39.06	*12	*29.46
	Other skin and musculoskeletal	32	100.00	*13	*39.71	*12	*36.13	*8	*24.17
	Digestive disorders	30	100.00	*6	*19.94	*15	*49.19	*9	*30.87
	Heart disease	36	100.00	*7	*19.80	17	46.90	*12	*33.30
	Hypertension	43	100.00	*9	*21.90	20	46.29	*14	*31.81
	Emphysema	36	100.00	*8	*22.06	*13	*35.86	*15	*42.08
	Other respiratory disease	33	100.00	*9	*28.20	*15	*44.95	*9	*26.86
	All other	160	100.00	34	21.18	88	54.83	38	24.00

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 11: PREVALENCE OF ACTIVITY LIMITATION DUE TO CHRONIC CONDITIONS, BY MAIN AND SECONDARY CAUSES AND DEGREE OF LIMITATION: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, 1983-1985 (THREE-YEAR AVERAGE)--CONTINUED

		Degree of Activity Limitation							
Main Cause	*Secondary Cause*	*All Limited in Activity*		*Limited in Non-Major Activity*		*Limited in Amount or Kind of Major Activity*		*Unable to Perform Major Activity*	
		Number of conditions in thousands and percent distribution							
Emphysema	none	278	100.00	104	37.43	88	31.60	86	30.97
	Arthritis	51	100.00	*13	*25.41	*13	*26.10	25	48.48
	Digestive disorders	29	100.00	*6	*20.30	*6	*20.39	17	59.31
	Heart disease	113	100.00	25	22.08	24	21.24	64	56.68
	Hypertension	56	100.00	*13	*23.64	17	29.67	26	46.68
	Asthma	49	100.00	*6	*11.56	*16	*33.55	27	54.89
	Other respiratory disease	46	100.00	*8	*17.07	*14	*29.48	25	53.45
	All other	180	100.00	36	19.71	51	28.31	94	51.98
Other respiratory disease	none	419	100.00	168	40.19	180	43.09	70	16.72
	Arthritis	39	100.00	*9	*24.03	*14	*35.75	*16	*40.23
	Other skin and musculoskeletal	26	100.00	*8	*30.07	*14	*53.44	*4	*16.49
	Digestive disorders	27	100.00	*5	*18.27	*16	*57.80	*7	*23.93
	Heart disease	46	100.00	*13	*28.50	*13	*27.75	20	43.74
	All other	261	100.00	70	26.72	95	36.28	97	37.00
Miscellaneous									
Diabetes	none	438	100.00	192	43.84	180	41.14	66	15.03
	Arthritis	82	100.00	17	21.05	32	39.43	32	39.53
	Eye/ear impairments	75	100.00	17	23.29	32	42.72	25	33.98
	Digestive disorders	36	100.00	*11	*30.08	*11	*29.26	*15	*40.66
	Heart disease	108	100.00	*18	*17.16	40	37.28	49	45.55
	Hypertension	166	100.00	46	27.62	68	40.86	52	31.52
	All other	201	100.00	33	16.63	82	41.14	85	42.23

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985; original tabulations from public use tapes

TABLE 11: PREVALENCE OF ACTIVITY LIMITATION DUE TO CHRONIC CONDITIONS, BY MAIN AND SECONDARY CAUSES AND DEGREE OF LIMITATION: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, 1983-1985 (THREE-YEAR AVERAGE)--CONTINUED

		Degree of Activity Limitation							
Main Cause	***Secondary Cause***	***All Limited in Activity***		***Limited in Non-Major Activity***		***Limited in Amount or Kind of Major Activity***		***Unable to Perform Major Activity***	
		Number of conditions in thousands and percent distribution							
Mental retardation	none	757	100.00	33	4.40	539	71.21	185	24.39
	Eye/ear impairments	30	100.00	*1	*4.54	17	54.85	*12	*40.61
	All other	179	100.00	*9	*5.04	81	45.15	89	49.81
Mental illness	none	699	100.00	106	15.22	328	46.82	266	37.96
	Arthritis	28	100.00	*4	*13.27	*5	*18.96	19	67.77
	Digestive disorders	27	100.00	*6	*21.07	*7	*24.46	*14	*54.46
	Hypertension	27	100.00	*7	*27.46	*4	*14.60	*16	*57.94
	All other	252	100.00	22	8.68	92	36.58	138	54.73
Nervous disorders	none	1,045	100.00	300	28.68	432	41.31	314	30.01
	Arthritis	58	100.00	*6	*10.91	25	44.26	26	44.83
	Eye/ear impairments	58	100.00	*9	*15.59	21	36.97	27	47.44
	Digestive disorders	31	100.00	*6	*18.74	*14	*45.69	*11	*35.58
	Heart disease	44	100.00	*4	*9.09	*11	*26.04	28	64.87
	Hypertension	39	100.00	*10	*25.21	*15	*39.63	*14	*35.16
	All other	323	100.00	53	16.24	116	35.81	155	47.95
Cancer of all sites	none	425	100.00	106	24.98	128	30.12	191	44.90
	Arthritis	37	100.00	*5	*13.16	*14	*36.98	18	49.86
	Heart disease	48	100.00	*6	*11.65	*14	*29.93	28	58.42
	All other	193	100.00	29	14.93	54	27.90	110	57.17

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 11: PREVALENCE OF ACTIVITY LIMITATION DUE TO CHRONIC CONDITIONS, BY MAIN AND SECONDARY CAUSES AND DEGREE OF LIMITATION: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, 1983-1985 (THREE-YEAR AVERAGE)--CONTINUED

		Degree of Activity Limitation							
Main Cause	***Secondary Cause***	***All Limited in Activity***		***Limited in Non-Major Activity***		***Limited in Amount or Kind of Major Activity***		***Unable to Perform Major Activity***	
		Number of conditions in thousands and percent distribution							
All other	none	2,072	100.00	659	31.81	880	42.44	534	25.74
	Arthritis	153	100.00	33	21.50	66	43.15	54	35.36
	Other skin and musculoskeletal	47	100.00	*15	*32.76	19	39.53	*13	*27.72
	Eye/ear impairments	142	100.00	29	20.67	57	40.09	56	39.24
	Absence/paralysis of extremities	37	100.00	*8	*21.81	*10	*27.52	19	50.67
	Back impairments	65	100.00	*13	*19.58	27	41.53	25	38.89
	Impairment of lower extremities	61	100.00	*16	*27.00	22	35.46	23	37.54
	Other orthopedic impairment	29	100.00	*7	*22.99	*7	*22.16	*16	*54.85
	Digestive disorders	105	100.00	20	18.65	37	35.56	48	45.79
	Diabetes	66	100.00	*11	*16.67	26	38.59	30	44.74
	Mental illness	28	100.00	*6	*22.56	*10	*34.29	*12	*43.15
	Nervous disorders	45	100.00	*7	*15.72	*13	*28.20	25	56.07
	Heart disease	132	100.00	25	19.35	40	30.02	67	50.63
	Hypertension	142	100.00	42	29.55	48	33.59	52	36.86
	Other circulatory	37	100.00	*7	*20.05	*14	*37.25	*16	*42.70
	Asthma	26	100.00	*6	*21.31	*10	*37.22	*11	*41.47
	Other respiratory disease	39	100.00	*9	*22.64	*16	*39.86	*15	*37.51
	Cancer of all sites	46	100.00	*13	*27.53	19	39.87	*15	*32.60
	All other	326	100.00	63	19.22	121	37.17	142	43.61

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 12: PREVALENCE OF WORK LIMITATION DUE TO CHRONIC CONDITIONS, BY MAIN AND SECONDARY CAUSES AND DEGREE OF LIMITATION: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, AGES 18-69, 1983-1985 (THREE-YEAR AVERAGE)

						Degree of Work Limitation			
Main Cause	***Secondary Cause***	***All Limited in Activity***		***Limited in Non-Work Activity***		***Limited in Amount or Kind of Work Activity***		***Unable to Work***	
		Number of conditions in thousands and percent distribution							
Total		25,416	100.00	5,376	21.15	7,970	31.35	12,071	47.49
Skin and musculoskeletal									
Arthritis	none	1,631	100.00	509	31.23	547	33.57	574	35.20
	Arthritis	101	100.00	17	16.33	28	28.09	56	55.58
	Intervertebral disk disorders	34	100.00	*3	*10.09	*13	*38.81	17	51.10
	Other skin and musculoskeletal	84	100.00	*13	*15.26	25	29.60	46	55.14
	Eye/ear impairments	88	100.00	*10	*11.34	24	27.28	54	61.38
	Back impairments	40	100.00	*7	*17.26	*11	*28.32	22	54.41
	Impairment of lower extremities	43	100.00	*8	*18.47	*11	*25.71	24	55.82
	Digestive disorders	95	100.00	*10	*10.10	24	25.02	62	64.89
	Diabetes	97	100.00	*11	*11.79	22	22.42	64	65.78
	Nervous disorders	29	100.00	*4	*15.38	*10	*34.21	*15	*50.40
	Heart disease	145	100.00	*14	*9.86	27	18.92	103	71.23
	Hypertension	277	100.00	37	13.36	68	24.36	173	62.28
	Other circulatory	45	100.00	*4	*9.27	*7	*16.03	34	74.70
	Asthma	36	100.00	*7	*18.33	*8	*21.29	22	60.38
	Other respiratory disease	30	100.00	*1	*4.56	*10	*32.15	19	63.29
	All other	270	100.00	26	9.56	71	26.18	173	64.26
Intervertebral disk disorders	none	1,030	100.00	241	23.36	498	48.39	291	28.25
	Arthritis	69	100.00	*6	*9.13	22	31.59	41	59.28
	Impairment of lower extremities	39	100.00	*5	*13.67	*13	*32.71	21	53.62
	Digestive disorders	31	100.00	*2	*4.84	*5	*17.44	24	77.72
	Heart disease	30	100.00	*3	*10.05	*7	*22.23	21	67.72
	Hypertension	43	100.00	*7	*15.90	*9	*21.31	27	62.79
	All other	203	100.00	*14	*6.69	63	30.82	127	62.49

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

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TABLE 12: PREVALENCE OF WORK LIMITATION DUE TO CHRONIC CONDITIONS, BY MAIN AND SECONDARY CAUSES AND DEGREE OF LIMITATION: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, AGES 18-69, 1983-1985 (THREE-YEAR AVERAGE)--CONTINUED

						Degree of Work Limitation			
Main Cause	*Secondary Cause*	*All Limited in Activity*		*Limited in Non-Work Activity*		*Limited in Amount or Kind of Work Activity*		*Unable to Work*	
		Number of conditions in thousands and percent distribution							
Other skin and musculoskeletal	none	442	100.00	163	36.79	171	38.66	109	24.55
	Arthritis	51	100.00	*4	*8.11	17	32.51	30	59.38
	Hypertension	40	100.00	*5	*13.77	*10	*24.76	24	61.47
	All other	180	100.00	*16	*8.66	45	24.79	120	66.55
Impairments									
Eye/ear impairments	none	760	100.00	252	33.12	291	38.25	218	28.63
	Arthritis	41	100.00	*5	*13.48	*8	*20.77	27	65.74
	Eye/ear impairments	202	100.00	46	22.56	69	34.26	87	43.18
	Diabetes	46	100.00	*4	*9.53	*9	*19.52	33	70.95
	Heart disease	34	100.00	*2	*7.16	*2	*4.88	30	87.96
	Hypertension	47	100.00	*2	*5.10	*8	*17.71	36	77.19
	All other	215	100.00	26	12.20	65	29.97	124	57.83
Absence/paralysis of extremities	none	378	100.00	66	17.53	150	39.59	162	42.88
	Arthritis	28	100.00	*5	*18.18	*8	*27.72	*15	*54.10
	Eye/ear impairments	32	100.00	*2	*7.27	*7	*22.82	22	69.91
	Diabetes	28	100.00	*1	*5.00	*3	*10.71	24	84.29
	Hypertension	26	100.00	*5	*18.06	*3	*9.77	19	72.17
	Cerebrovascular disease	37	100.00	*3	*7.76	*3	*7.00	32	85.24
	All other	204	100.00	*11	*5.65	39	19.27	153	75.08
Back impairments	none	1,720	100.00	494	28.75	857	49.83	368	21.42
	Arthritis	80	100.00	*4	*5.46	33	41.64	42	52.91
	Other skin and musculoskeletal	29	100.00	*6	*22.16	*14	*47.91	*9	*29.93
	Eye/ear impairments	37	100.00	*6	*16.81	*13	*35.05	18	48.14
	Impairment of lower extremities	161	100.00	33	20.39	60	37.21	68	42.40
	Other orthopedic impairment	58	100.00	*8	*13.96	20	33.93	30	52.10
	Digestive disorders	30	100.00	*4	*14.40	*10	*33.77	*16	*51.83
	Heart disease	54	100.00	*7	*13.66	*12	*21.92	35	64.42
	Hypertension	64	100.00	*9	*13.96	22	34.97	33	51.08
	All other	241	100.00	37	15.51	92	38.35	111	46.14

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 12: PREVALENCE OF WORK LIMITATION DUE TO CHRONIC CONDITIONS, BY MAIN AND SECONDARY CAUSES AND DEGREE OF LIMITATION: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, AGES 18-69, 1983-1985 (THREE-YEAR AVERAGE)--CONTINUED

						Degree of Work Limitation			
Main Cause	*Secondary Cause*	*All Limited in Activity*		*Limited in Non-Work Activity*		*Limited in Amount or Kind of Work Activity*		*Unable to Work*	
		Number of conditions in thousands and percent distribution							
Impairment of lower extremities	none	1,110	100.00	511	46.01	364	32.81	235	21.18
	Arthritis	35	100.00	*4	*10.05	17	48.80	*14	*41.16
	Eye/ear impairments	33	100.00	*6	*18.30	*5	*15.45	22	66.26
	Back impairments	69	100.00	*13	*18.94	29	42.72	26	38.35
	Other orthopedic impairment	29	100.00	*6	*21.33	*11	*36.85	*12	*41.82
	Heart disease	30	100.00	*2	*7.81	*4	*14.32	24	77.87
	Hypertension	36	100.00	*3	*7.76	*16	*44.61	17	47.64
	All other	219	100.00	38	17.48	67	30.40	114	52.12
Other orthopedic impairment	none	433	100.00	142	32.73	193	44.48	99	22.78
	Impairment of lower extremities	38	100.00	*7	*17.16	*12	*30.26	20	52.58
	All other	152	100.00	20	13.40	47	31.21	84	55.39
Digestive									
Digestive disorders	none	373	100.00	102	27.49	160	43.01	110	29.49
	Digestive disorders	48	100.00	*10	*20.89	*8	*16.58	30	62.53
	Heart disease	29	100.00	*5	*15.93	*5	*15.62	20	68.45
	Hypertension	34	100.00	*6	*17.52	*11	*31.65	17	50.83
	All other	193	100.00	24	12.47	55	28.64	114	58.89

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 12: PREVALENCE OF WORK LIMITATION DUE TO CHRONIC CONDITIONS, BY MAIN AND SECONDARY CAUSES AND DEGREE OF LIMITATION: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, AGES 18-69, 1983-1985 (THREE-YEAR AVERAGE)--CONTINUED

						Degree of Work Limitation			
Main Cause	***Secondary Cause***	***All Limited in Activity***		***Limited in Non-Work Activity***		***Limited in Amount or Kind of Work Activity***		***Unable to Work***	
		Number of conditions in thousands and percent distribution							
Circulatory									
Heart disease	none	1,411	100.00	285	20.23	525	37.19	601	42.57
	Arthritis	207	100.00	18	8.91	30	14.50	159	76.59
	Intervertebral disk disorders	41	100.00	*6	*13.49	*10	*24.25	26	62.26
	Other skin and musculoskeletal	43	100.00	*2	*4.99	*8	*18.44	33	76.58
	Eye/ear impairments	55	100.00	*9	*16.51	*7	*12.49	39	71.00
	Back impairments	39	100.00	*2	*4.10	*8	*20.28	29	75.62
	Impairment of lower extremities	33	100.00	*4	*12.09	*5	*16.11	24	71.81
	Digestive disorders	86	100.00	*4	*4.20	*13	*15.45	69	80.35
	Diabetes	213	100.00	*16	*7.51	35	16.35	162	76.14
	Nervous disorders	28	100.00	*5	*16.92	*5	*17.40	19	65.67
	Heart disease	54	100.00	*9	*16.15	*15	*28.51	30	55.35
	Hypertension	302	100.00	28	9.32	63	20.88	211	69.80
	Cerebrovascular disease	32	100.00	*1	*2.18	*3	*9.07	28	88.75
	Other circulatory	66	100.00	*4	*6.21	*9	*14.02	53	79.77
	Asthma	28	100.00	*2	*7.45	*4	*14.74	22	77.81
	Emphysema	56	100.00	.	.	*5	*8.86	51	91.14
	Other respiratory disease	50	100.00	*1	*2.66	*7	*14.57	42	82.77
	All other	223	100.00	*15	*6.72	42	19.05	166	74.24
Hypertension	none	553	100.00	175	31.62	178	32.21	200	36.17
	Arthritis	96	100.00	24	25.27	20	21.25	51	53.47
	Eye/ear impairments	29	100.00	*6	*19.09	*7	*24.80	*16	*56.11
	Digestive disorders	48	100.00	*6	*12.53	*12	*24.34	30	63.13
	Diabetes	87	100.00	*11	*12.13	17	20.03	59	67.84
	Heart disease	105	100.00	*14	*13.56	27	26.02	63	60.43
	All other	258	100.00	39	15.33	65	25.30	153	59.37

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 12: PREVALENCE OF WORK LIMITATION DUE TO CHRONIC CONDITIONS, BY MAIN AND SECONDARY CAUSES AND DEGREE OF LIMITATION: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, AGES 18-69, 1983-1985 (THREE-YEAR AVERAGE)--CONTINUED

						Degree of Work Limitation			
Main Cause	***Secondary Cause***	***All Limited in Activity***		***Limited in Non-Work Activity***		***Limited in Amount or Kind of Work Activity***		***Unable to Work***	
		Number of conditions in thousands and percent distribution							
Cerebrovascular disease	none	82	100.00	*10	*11.90	17	20.79	55	67.31
	Absence/paralysis of extremities	91	100.00	*4	*4.63	*9	*10.18	78	85.20
	Heart disease	39	100.00	*1	*1.67	*4	*9.48	35	88.84
	Hypertension	54	100.00	*2	*3.23	*7	*13.35	45	83.42
	All other	120	100.00	*13	*10.54	*4	*3.15	103	86.31
Other circulatory	none	300	100.00	77	25.59	103	34.24	121	40.17
	Arthritis	35	100.00	*4	*10.05	*6	*16.88	26	73.06
	Heart disease	39	100.00	*3	*7.05	*9	*22.55	28	70.40
	Hypertension	44	100.00	*4	*8.29	*10	*21.75	31	69.96
	All other	189	100.00	23	11.97	42	22.05	125	65.98
Respiratory									
Asthma	none	568	100.00	239	42.08	234	41.16	95	16.75
	Hypertension	35	100.00	*7	*20.71	*9	*24.88	19	54.41
	All other	241	100.00	43	17.74	69	28.72	129	53.54
Emphysema	none	201	100.00	44	22.14	59	29.56	97	48.30
	Arthritis	33	100.00	*3	*7.67	*7	*20.26	24	72.07
	Heart disease	72	100.00	*4	*5.49	*9	*12.83	59	81.68
	Hypertension	41	100.00	*5	*11.49	*8	*20.00	28	68.51
	Asthma	38	100.00	*3	*8.42	*6	*14.63	29	76.95
	Other respiratory disease	32	100.00	*2	*7.58	*5	*15.34	24	77.08
	All other	126	100.00	*8	*6.71	25	19.79	92	73.50
Other respiratory disease	none	279	100.00	102	36.71	101	36.39	75	26.90
	All other	256	100.00	34	13.26	68	26.38	155	60.36

*** Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)**

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 12: PREVALENCE OF WORK LIMITATION DUE TO CHRONIC CONDITIONS, BY MAIN AND SECONDARY CAUSES AND DEGREE OF LIMITATION: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, AGES 18-69, 1983-1985 (THREE-YEAR AVERAGE)--CONTINUED

						Degree of Work Limitation			
Main Cause	***Secondary Cause***	***All Limited in Activity***		***Limited in Non-Work Activity***		***Limited in Amount or Kind of Work Activity***		***Unable to Work***	
		Number of conditions in thousands and percent distribution							
Miscellaneous									
Diabetes	none	352	100.00	111	31.49	144	40.77	98	27.75
	Arthritis	48	100.00	*5	*9.49	*8	*16.67	35	73.84
	Eye/ear impairments	41	100.00	*3	*7.43	*12	*29.27	26	63.31
	Digestive disorders	29	100.00	*2	*7.34	*6	*20.23	21	72.44
	Heart disease	73	100.00	*6	*8.15	*11	*15.40	56	76.45
	Hypertension	125	100.00	20	15.75	33	26.83	72	57.41
	All other	144	100.00	21	14.78	33	22.80	90	62.42
Mental retardation	none	268	100.00	17	6.26	75	27.88	177	65.86
	All other	119	100.00	*1	*0.59	18	15.11	101	84.30
Mental illness	none	430	100.00	32	7.52	71	16.42	327	76.06
	All other	229	100.00	*12	*5.07	28	12.18	189	82.75
Nervous disorders	none	584	100.00	129	22.12	192	32.80	263	45.08
	Arthritis	34	100.00	*3	*8.94	*6	*18.28	25	72.78
	All other	278	100.00	24	8.58	61	21.78	194	69.64
Cancer of all sites	none	330	100.00	55	16.61	78	23.63	197	59.76
	All other	163	100.00	*13	*7.94	27	16.29	124	75.77

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 12: PREVALENCE OF WORK LIMITATION DUE TO CHRONIC CONDITIONS, BY MAIN AND SECONDARY CAUSES AND DEGREE OF LIMITATION: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, AGES 18-69, 1983-1985 (THREE-YEAR AVERAGE)--CONTINUED

						Degree of Work Limitation			
Main Cause	***Secondary Cause***	***All Limited in Activity***		***Limited in Non-Work Activity***		***Limited in Amount or Kind of Work Activity***		***Unable to Work***	
		Number of conditions in thousands and percent distribution							
All other	none	1,460	100.00	389	26.65	451	30.90	620	42.45
	Arthritis	92	100.00	*9	*9.88	21	23.08	62	67.04
	Other skin and musculoskeletal	31	100.00	*4	*14.09	*6	*20.74	20	65.17
	Eye/ear impairments	80	100.00	*4	*5.02	21	25.79	56	69.18
	Absence/paralysis of extremities	27	100.00	*5	*16.96	*4	*13.61	19	69.43
	Back impairments	54	100.00	*8	*15.34	18	33.71	27	50.95
	Impairment of lower extremities	37	100.00	*6	*17.00	*10	*27.93	21	55.07
	Digestive disorders	76	100.00	*6	*7.39	*16	*21.56	54	71.05
	Diabetes	43	100.00	*6	*14.82	*8	*17.41	29	67.77
	Nervous disorders	30	100.00	*2	*6.11	*6	*21.42	22	72.47
	Heart disease	77	100.00	*5	*6.96	*11	*14.09	61	78.95
	Hypertension	107	100.00	*16	*15.09	21	19.41	70	65.50
	Other respiratory disease	27	100.00	.	.	*10	*36.98	17	63.02
	Cancer of all sites	36	100.00	*8	*21.21	*11	*31.73	17	47.05
	All other	315	100.00	47	15.02	54	17.20	214	67.78

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 13: PREVALENCE OF NEED FOR ASSISTANCE IN IADL OR ADL DUE TO CHRONIC CONDITIONS, BY MAIN AND SECONDARY CAUSES AND TYPE OF ACTIVITY: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, AGES 5 AND OVER, 1983-1985 (THREE-YEAR AVERAGE)

						Needing assistance			
Main Cause	*Secondary Cause*	*All Limited in Activity*		*Limited in Activity, no Assistance Needed in IADL or ADL*		*In IADL Only*		*In ADL*	
		Number of conditions in thousands and percent distribution							
Total		36,419	100.00	27,225	74.76	6,052	16.62	3,142	8.63
Skin and musculoskeletal									
Arthritis	none	2,386	100.00	1,777	74.47	420	17.61	189	7.92
	Arthritis	146	100.00	102	69.68	32	21.63	*13	*8.69
	Intervertebral disk disorders	41	100.00	35	87.62	*3	*7.17	*2	*5.21
	Other skin and musculoskeletal	115	100.00	85	74.01	21	18.54	*9	*7.45
	Eye/ear impairments	181	100.00	98	54.18	52	28.55	31	17.27
	Absence/paralysis of extremities	36	100.00	23	63.74	*6	*15.61	*7	*20.64
	Back impairments	60	100.00	43	70.45	*14	*22.38	*4	*7.17
	Impairment of lower extremities	64	100.00	43	66.79	*14	*21.93	*7	*11.28
	Other orthopedic impairment	36	100.00	27	75.00	*8	*20.95	*1	*4.05
	Digestive disorders	148	100.00	103	69.39	29	19.81	*16	*10.80
	Diabetes	164	100.00	99	60.66	47	28.76	17	10.58
	Nervous disorders	47	100.00	31	65.84	*12	*26.70	*3	*7.45
	Heart disease	275	100.00	159	57.81	83	30.30	33	11.88
	Hypertension	420	100.00	313	74.33	84	19.91	24	5.76
	Other circulatory	81	100.00	53	64.65	17	21.16	*12	*14.19
	Asthma	40	100.00	29	73.52	*9	*21.22	*2	*5.26
	Emphysema	30	100.00	20	66.84	*7	*24.67	*3	*8.49
	Other respiratory disease	44	100.00	31	71.42	*10	*23.23	*2	*5.35
	Cancer of all sites	26	100.00	17	63.59	*7	*26.80	*3	*9.61
	All other	296	100.00	186	62.86	72	24.13	39	13.01

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 13: PREVALENCE OF NEED FOR ASSISTANCE IN IADL OR ADL DUE TO CHRONIC CONDITIONS, BY MAIN AND SECONDARY CAUSES AND TYPE OF ACTIVITY: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, AGES 5 AND OVER, 1983-1985 (THREE-YEAR AVERAGE)--CONTINUED

						Needing assistance			
Main Cause	*Secondary Cause*	*All Limited In Activity*		*Limited In Activity, no Assistance Needed In IADL or ADL*		*In IADL Only*		*In ADL*	
		Number of conditions in thousands and percent distribution							
Intervertebral disk disorders	none	1,090	100.00	932	85.51	127	11.66	31	2.83
	Arthritis	72	100.00	54	75.26	17	23.11	*1	*1.63
	Impairment of lower extremities	39	100.00	33	85.38	*4	*10.96	*1	*3.66
	Digestive disorders	29	100.00	25	84.24	*4	*13.47	*1	*2.28
	Heart disease	39	100.00	28	72.52	*10	*26.12	*1	*1.36
	Hypertension	44	100.00	39	90.26	*2	*5.03	*2	*4.71
	All other	223	100.00	174	77.74	41	18.40	*9	*3.86
Other skin and musculoskeletal	none	570	100.00	491	86.20	51	8.91	28	4.89
	Arthritis	89	100.00	62	69.47	18	20.41	*9	*10.12
	Heart disease	32	100.00	19	59.69	*5	*16.00	*8	*24.31
	Hypertension	63	100.00	41	63.99	*16	*25.62	*7	*10.39
	All other	251	100.00	172	68.45	50	19.73	30	11.82
Impairments									
Eye/ear impairments	none	1,251	100.00	994	79.45	223	17.86	34	2.69
	Arthritis	115	100.00	51	44.49	53	45.50	*12	*10.01
	Eye/ear impairments	475	100.00	262	55.04	176	37.04	38	7.92
	Digestive disorders	29	100.00	*14	*48.26	*10	*34.16	*5	*17.58
	Diabetes	77	100.00	27	35.33	31	40.65	19	24.01
	Nervous disorders	30	100.00	19	63.60	*8	*27.81	*3	*8.59
	Heart disease	90	100.00	35	38.65	43	47.87	*12	*13.48
	Hypertension	86	100.00	50	58.41	28	32.57	*8	*9.02
	Other circulatory	43	100.00	20	46.18	*15	*36.35	*7	*17.47
	All other	336	100.00	202	60.28	101	29.97	33	9.75

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 13: PREVALENCE OF NEED FOR ASSISTANCE IN IADL OR ADL DUE TO CHRONIC CONDITIONS, BY MAIN AND SECONDARY CAUSES AND TYPE OF ACTIVITY: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, AGES 5 AND OVER, 1983-1985 (THREE-YEAR AVERAGE)--CONTINUED

						Needing assistance			
Main Cause	***Secondary Cause***	***All Limited in Activity***		***Limited in Activity, no Assistance Needed in IADL or ADL***		***In IADL Only***		***In ADL***	
		Number of conditions in thousands and percent distribution							
Absence/paralysis of extremities	none	548	100.00	329	60.01	95	17.30	124	22.69
	Arthritis	35	100.00	22	62.75	*6	*16.82	*7	*20.43
	Eye/ear impairments	43	100.00	25	57.39	*7	*16.51	*11	*26.11
	Diabetes	45	100.00	18	39.97	*9	*20.33	18	39.70
	Heart disease	30	100.00	*14	*45.13	*6	*18.60	*11	*36.27
	Hypertension	32	100.00	21	64.61	*5	*16.08	*6	*19.31
	Cerebrovascular disease	70	100.00	21	29.72	21	30.39	28	39.88
	All other	211	100.00	106	50.15	37	17.77	68	32.08
Back impairments	none	1,865	100.00	1,683	90.27	136	7.30	45	2.44
	Arthritis	92	100.00	70	75.81	*15	*16.73	*7	*7.47
	Other skin and musculoskeletal	36	100.00	33	91.87	*1	*3.78	*2	*4.35
	Eye/ear impairments	48	100.00	39	79.77	*9	*19.01	*1	*1.21
	Impairment of lower extremities	177	100.00	144	81.19	22	12.67	*11	*6.13
	Other orthopedic impairment	61	100.00	50	82.92	*8	*13.28	*2	*3.80
	Digestive disorders	35	100.00	30	85.82	*4	*12.22	*1	*1.96
	Diabetes	29	100.00	23	77.94	*4	*12.49	*3	*9.57
	Heart disease	79	100.00	61	76.27	*13	*15.79	*6	*7.94
	Hypertension	75	100.00	66	87.59	*9	*11.49	*1	*0.92
	All other	269	100.00	217	80.86	41	15.21	*11	*3.94

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

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						Needing assistance			
Main Cause	*Secondary Cause*	*All Limited in Activity*		*Limited in Activity, no Assistance Needed in IADL or ADL*		*In IADL Only*		*In ADL*	
		Number of conditions in thousands and percent distribution							
Impairment of lower extremities	none	1,454	100.00	1,274	87.61	132	9.08	48	3.32
	Arthritis	66	100.00	42	63.81	*13	*19.21	*11	*16.98
	Eye/ear impairments	59	100.00	32	54.81	20	34.01	*7	*11.18
	Back impairments	82	100.00	64	78.26	*14	*17.35	*4	*4.39
	Impairment of lower extremities	39	100.00	26	67.86	*6	*15.77	*6	*16.37
	Other orthopedic impairment	41	100.00	29	71.58	*9	*21.66	*3	*6.76
	Heart disease	56	100.00	36	64.77	*16	*29.35	*3	*5.88
	Hypertension	50	100.00	37	73.07	*12	*23.35	*2	*3.58
	All other	258	100.00	174	67.31	56	21.87	28	10.82
Other orthopedic impairment	none	492	100.00	431	87.68	38	7.71	23	4.61
	Back impairments	26	100.00	20	76.05	*5	*17.72	*2	*6.22
	Impairment of lower extremities	48	100.00	33	70.32	*10	*20.22	*4	*9.46
	All other	144	100.00	115	80.02	*18	*12.80	*10	*7.18
Digestive									
Digestive disorders	none	439	100.00	394	89.74	33	7.62	*12	*2.64
	Arthritis	43	100.00	31	72.03	*7	*15.79	*5	*12.17
	Digestive disorders	57	100.00	44	77.14	*10	*16.92	*3	*5.94
	Heart disease	45	100.00	32	70.36	*6	*13.46	*7	*16.18
	Hypertension	42	100.00	37	87.27	*3	*8.12	*2	*4.62
	All other	230	100.00	182	79.16	28	12.03	20	8.81

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 13: PREVALENCE OF NEED FOR ASSISTANCE IN IADL OR ADL DUE TO CHRONIC CONDITIONS, BY MAIN AND SECONDARY CAUSES AND TYPE OF ACTIVITY: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, AGES 5 AND OVER, 1983-1985 (THREE-YEAR AVERAGE)--CONTINUED

						Needing assistance			
Main Cause	***Secondary Cause***	***All Limited in Activity***		***Limited in Activity, no Assistance Needed in IADL or ADL***		***In IADL Only***		***In ADL***	
				Number of conditions in thousands and percent distribution					
Circulatory									
Heart disease	none	2,038	100.00	1,661	81.50	303	14.86	74	3.64
	Arthritis	360	100.00	223	61.89	109	30.36	28	7.75
	Intervertebral disk disorders	44	100.00	33	75.87	*11	*24.13	*.	*.
	Other skin and musculoskeletal	63	100.00	47	74.89	*10	*15.65	*6	*9.46
	Eye/ear impairments	138	100.00	73	52.89	46	33.27	19	13.84
	Absence/paralysis of extremities	33	100.00	*18	*55.78	*5	*15.96	*9	*28.26
	Back impairments	50	100.00	40	78.91	*6	*12.76	*4	*8.33
	Impairment of lower extremities	49	100.00	32	64.57	*13	*26.23	*5	*9.20
	Digestive disorders	129	100.00	88	68.06	27	21.26	*14	*10.68
	Diabetes	277	100.00	206	74.34	51	18.38	20	7.27
	Nervous disorders	47	100.00	28	59.86	*14	*29.89	*5	*10.26
	Heart disease	77	100.00	56	71.92	*16	*20.16	*6	*7.93
	Hypertension	416	100.00	328	78.77	65	15.68	*23	*5.54
	Cerebrovascular disease	51	100.00	27	52.47	*13	*26.30	*11	*21.23
	Other circulatory	116	100.00	67	58.00	34	28.95	*15	*13.05
	Asthma	42	100.00	28	65.66	*11	*25.47	*4	*8.87
	Emphysema	84	100.00	48	56.87	23	27.83	*13	*15.30
	Other respiratory disease	74	100.00	50	68.15	17	23.62	*6	*8.24
	Cancer of all sites	33	100.00	24	70.63	*6	*17.39	*4	*11.98
	All other	256	100.00	172	67.39	52	20.43	31	12.18

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

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TABLE 13: PREVALENCE OF NEED FOR ASSISTANCE IN IADL OR ADL DUE TO CHRONIC CONDITIONS, BY MAIN AND SECONDARY CAUSES AND TYPE OF ACTIVITY: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, AGES 5 AND OVER, 1983-1985 (THREE-YEAR AVERAGE)--CONTINUED

						Needing assistance			
Main Cause	***Secondary Cause***	***All Limited In Activity***		***Limited in Activity, no Assistance Needed In IADL or ADL***		***In IADL Only***		***In ADL***	
		Number of conditions in thousands and percent distribution							
Hypertension	none	649	100.00	582	89.69	55	8.50	*12	*1.81
	Arthritis	133	100.00	110	82.87	17	13.11	*5	*4.01
	Eye/ear impairments	43	100.00	30	69.68	*9	*21.53	*4	*8.79
	Digestive disorders	54	100.00	50	92.13	*2	*2.88	*3	*4.99
	Diabetes	99	100.00	84	84.33	*11	*11.30	*4	*4.37
	Heart disease	133	100.00	110	82.93	17	12.83	*6	*4.25
	Other circulatory	35	100.00	25	72.94	*8	*22.99	*1	*4.07
	All other	302	100.00	253	83.53	35	11.73	*14	*4.74
Cerebrovascular disease	none	174	100.00	64	36.71	48	27.65	62	35.64
	Arthritis	35	100.00	*13	*36.15	*7	*20.52	*15	*43.33
	Eye/ear impairments	39	100.00	*13	*32.52	*12	*30.38	*15	*37.10
	Absence/paralysis of extremities	209	100.00	71	33.82	55	26.49	83	39.69
	Diabetes	31	100.00	*10	*31.69	*4	*13.73	17	54.58
	Heart disease	74	100.00	22	30.21	22	30.04	29	39.74
	Hypertension	106	100.00	43	40.81	21	19.96	41	39.23
	All other	153	100.00	54	35.47	36	23.23	63	41.31
Other circulatory	none	420	100.00	333	79.22	65	15.52	*22	*5.26
	Arthritis	57	100.00	37	65.03	*15	*26.35	*5	*8.61
	Eye/ear impairments	45	100.00	24	52.76	*10	*22.55	*11	*24.69
	Diabetes	40	100.00	27	66.87	*9	*22.38	*4	*10.75
	Heart disease	66	100.00	45	67.99	17	25.27	*4	*6.74
	Hypertension	65	100.00	50	77.09	*14	*21.81	*1	*1.10
	All other	200	100.00	127	63.32	57	28.24	*17	*8.43

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

TABLE 13: PREVALENCE OF NEED FOR ASSISTANCE IN IADL OR ADL DUE TO CHRONIC CONDITIONS, BY MAIN AND SECONDARY CAUSES AND TYPE OF ACTIVITY: UNITED STATES CIVILIAN NONINSTITUTIONALIZED POPULATION, AGES 5 AND OVER, 1983-1985 (THREE-YEAR AVERAGE)--CONTINUED

Main Cause	*Secondary Cause*	*All Limited in Activity*		*Limited in Activity, no Assistance Needed in IADL or ADL*		*Needing assistance* *In IADL Only*		*Needing assistance* *In ADL*	
				Number of conditions in thousands and percent distribution					
Respiratory									
Asthma	none	1,040	100.00	1,000	96.20	29	2.77	*11	*1.03
	Arthritis	40	100.00	33	81.23	*6	*14.07	*2	*4.70
	Other skin and musculoskeletal	30	100.00	26	85.30	*4	*12.32	*1	*2.38
	Digestive disorders	28	100.00	24	84.04	*3	*11.05	*1	*4.91
	Heart disease	34	100.00	25	74.35	*8	*23.69	*1	*1.96
	Hypertension	37	100.00	31	83.49	*5	*12.59	*1	*3.91
	Emphysema	36	100.00	23	64.60	*11	*29.79	*2	*5.62
	Other respiratory disease	31	100.00	25	80.71	*5	*15.85	*1	*3.44
	All other	144	100.00	121	83.78	17	12.08	*6	*4.13
Emphysema	none	305	100.00	226	74.16	59	19.44	*20	*6.39
	Arthritis	47	100.00	33	69.23	*9	*19.37	*5	*11.40
	Digestive disorders	27	100.00	22	83.80	*2	*6.84	*2	*9.36
	Heart disease	102	100.00	63	62.19	20	19.66	18	18.15
	Hypertension	48	100.00	43	88.35	*3	*6.01	*3	*5.64
	Asthma	44	100.00	28	62.95	*12	*27.76	*4	*9.29
	Other respiratory disease	43	100.00	26	60.32	*12	*27.25	*5	*12.43
	All other	162	100.00	103	63.60	29	17.92	30	18.48
Other respiratory disease	none	416	100.00	375	90.21	27	6.48	*14	*3.31
	Arthritis	35	100.00	24	67.25	*10	*28.77	*1	*3.99
	Heart disease	44	100.00	28	63.78	*9	*20.68	*7	*15.53
	All other	293	100.00	224	76.55	47	15.96	22	7.49

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

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						Needing assistance			
Main Cause	***Secondary Cause***	***All Limited in Activity***		***Limited in Activity, no Assistance Needed in IADL or ADL***		***In IADL Only***		***In ADL***	
		Number of conditions in thousands and percent distribution							
Miscellaneous									
Diabetes	none	457	100.00	393	85.92	41	8.87	24	*5.21
	Arthritis	72	100.00	43	60.08	20	27.75	*9	*12.17
	Eye/ear impairments	68	100.00	39	57.65	25	36.48	*4	*5.88
	Digestive disorders	28	100.00	23	82.06	*4	*15.43	*1	*2.50
	Heart disease	101	100.00	70	69.76	19	18.45	*12	*11.79
	Hypertension	149	100.00	116	77.92	21	14.18	*12	*7.91
	All other	178	100.00	122	68.56	34	19.32	*22	*12.12
Mental retardation	none	796	100.00	544	68.39	147	18.50	104	13.11
	All other	173	100.00	114	65.72	22	12.55	38	21.73
Mental illness	none	727	100.00	574	78.95	127	17.46	26	3.58
	All other	275	100.00	201	72.96	47	17.09	27	9.95
Nervous disorders	none	1,077	100.00	635	58.99	261	24.22	181	16.78
	Arthritis	50	100.00	25	47.84	*16	*32.68	*10	*19.48
	Eye/ear impairments	50	100.00	*15	*29.54	18	34.88	18	35.58
	Heart disease	43	100.00	*14	*31.35	*11	*26.06	*18	*42.59
	Hypertension	29	100.00	22	76.11	*4	*15.10	*3	*8.79
	All other	303	100.00	189	62.44	59	19.44	55	18.12
Cancer of all sites	none	439	100.00	296	67.49	72	16.48	70	16.03
	Arthritis	32	100.00	17	52.58	*11	*33.50	*5	*13.93
	Heart disease	45	100.00	18	40.15	*12	*26.89	*15	*32.96
	All other	172	100.00	100	58.34	30	17.70	41	23.96

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

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						Needing assistance			
Main Cause	***Secondary Cause***	***All Limited In Activity***		***Limited in Activity, no Assistance Needed in IADL or ADL***		***In IADL Only***		***In ADL***	
		Number of conditions in thousands and percent distribution							
All other	none	2,074	100.00	1,708	82.34	244	11.75	123	5.91
	Arthritis	143	100.00	91	63.76	32	22.66	19	13.58
	Other skin and musculoskeletal	43	100.00	34	80.11	*6	*13.34	*3	*6.55
	Eye/ear impairments	127	100.00	80	62.92	32	25.39	*15	*11.69
	Absence/paralysis of extremities	34	100.00	22	63.11	*4	*13.08	*8	*23.81
	Back impairments	57	100.00	51	89.89	*4	*7.72	*1	*2.38
	Impairment of lower extremities	57	100.00	33	58.07	*15	*26.11	*9	*15.82
	Other orthopedic impairment	31	100.00	19	63.08	*6	*19.14	*5	*17.78
	Digestive disorders	98	100.00	69	70.70	18	18.85	*10	*10.46
	Diabetes	60	100.00	42	69.82	*12	19.33	*6	*10.84
	Nervous disorders	38	100.00	27	72.64	*6	*16.10	*4	*11.26
	Heart disease	118	100.00	78	66.67	23	19.73	*16	*13.60
	Hypertension	128	100.00	110	85.29	*10	*7.73	*9	*6.98
	Other circulatory	33	100.00	20	61.51	*9	*27.28	*4	*11.21
	Other respiratory disease	33	100.00	25	76.94	*3	*9.77	*4	*13.30
	Cancer of all sites	45	100.00	33	73.11	*6	*12.90	*6	*14.00
	All other	328	100.00	248	75.54	45	13.79	35	10.66

* Figure has low statistical reliability or precision (relative standard error exceeds 30 percent)

SOURCE: National Health Interview Surveys, 1983-1985: original tabulations from public use tapes

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Appendix I

Technical notes on methods

Background

The information presented in this report is based on secondary analysis of National Health Interview Survey (NHIS) public use data tapes. The NHIS is a continuing national household probability sample. Information on the personal, sociodemographic, and health characteristics of all household members is collected.

The sample design is a complex multi-stage probability frame. A sample is drawn each week to represent the U.S. non-institutionalized civilian population. The weekly samples are additive over time and can yield weekly, quarterly, and annual estimates.

More detailed information on the sample design and collection and processing of the data can be found in annual reports titled *Current Estimates*, Appendix I (for example, see Moss and Parsons, 1986).

Estimation

Because the NHIS is a complex multistage probability sample, to obtain national estimates, it is necessary to employ weights in all estimation procedures. The public use tapes provide a "basic person weight", which was used to inflate each observation by the inverse of the probability of selection and to correct for other aspects of the survey design and household non-response. Further details on weighting can be found in *Current Estimates*, Appendix I. All estimates were obtained using the SAS procedure PROC TABULATE.

Reliability of estimates

The relative standard error is the measure of sampling error used in NCHS publications and in this report. It is a measure of the random variation that might occur because the NHIS is a sample and not a complete enumeration of the population. The relative standard error (RSE) of an estimate is obtained by dividing the standard error (SE) of the estimate by the estimate itself and multiplying by 100:

$$(1) \quad RSE = \frac{SE(X)}{X} \times 100$$

NCHS deems that estimates with greater than 30 percent RSE are unreliable, a convention followed in this report.

NCHS estimates relative variance curves for broad classes of estimates by fitting regression equations to variances obtained by the balanced half-sample method. The curve-fitting procedure assumes that the relative variance of an estimate is a decreasing function of the magnitude of the estimate:

(2) $V(x_i) = a + b/x_i$

where a and b are the fitted regression estimates.

The method used in this report for determining the errors of estimates is the same as that used in NCHS publications. Regression parameters for population estimates and chronic conditions (from the 6 checklists) were obtained from NCHS for each year of the survey covered in this report.

Because three years of data were pooled together and the sample design changed in 1985, special consideration is necessary for calculating the 30 percent RSE cutoff points. Both the a and b parameters are different for 1985 than for previous years. The a and b parameters are the same for 1983 and 1984. A general formula for computing the 30 percent RSE cutoff is provided below for any number of pooled years.

$$(3) \quad CP = \frac{\Sigma\, b_y/N}{(.30)^2 - \Sigma\, a_y/N^2} \times \frac{1}{N}$$

Where CP is the 30 percent relative standard error cutoff point and a_y and b_y are the regression parameters for each year and N is the total number of years.

Using (3), the 30 percent RSE for chronic conditions (based on the six checklists for Tables 1 and 10) is computed for the years 1983-85 to be:

$$(4) \quad CP = \frac{2(22,662.9)/3 + (18,253.6)/3}{.09 - [\,2(1x10^{-6})/9 + (1.366x10^{-4})/9]} \times \frac{1}{3}$$

$$= 78,507$$

$$\cong 79,000$$

An estimated prevalence of chronic conditions that is less than 79,000 has greater than 30 percent relative standard error and is flagged by an asterisk (*). For 1983 and 1984, $a = 1.0 \times 10^{-6}$ and $b = 22,662.9$. For 1985, $a = 1.366 \times 10^{-4}$ and $b = 18,253.6$.

To calculate the standard error (not the relative standard error) of an estimated number of chronic conditions (X), use the following formula, derived from (4):

$$(5)\quad SE(X) = \sqrt{(1.54 \times 10^{-5})\,X^2 + (7{,}055.5)\,X}$$

For example, an estimate of 78,507 conditions has a standard error of 23,537.

For population data (all data other than checklist conditions including conditions causing disability), the 30 percent RSE is computed to be:

$$(6)\quad CP = \frac{2(3691.3)/3 + (6102.7)/3}{.09 - [\,2(-1.477\text{x}10^{-4})/9 + (-3.656\text{x}10^{-5})/9\,]} \times \frac{1}{3}$$

$$= 16{,}642$$

$$\cong 17{,}000$$

An estimated population characteristic that is less than 17,000 has greater than 30 percent relative standard error and is flagged by an asterisk (*). For 1983 and 1984, $a = -1.477 \times 10^{-4}$ and $b = 3{,}691.3$. For 1985, $a = -3.656 \times 10^{-5}$ and $b = 6{,}102.7$.

To calculate the standard error of an estimated number of persons (X) with a population characteristic, use the following formula, derived from (6):

$$(7)\quad SE(X) = \sqrt{(3.688 \times 10^{-5})\,X^2 + (1{,}498.4)\,X}$$

For example, an estimate of 16,642 persons has a standard error of 4,995.

Appendix II

Definitions of terms used in this report

Terms relating to disability are defined in the section "Disability concepts", page 4.

Demographic Terms

Age -- the age at last birthday.

Race and ethnicity -- six racial and ethnic groups are identified on the basis of responses to questions about race and national origin. Persons are identified as Hispanic if they are Cuban, Mexican, Mexicano, Mexican-American, Chicano, other Latin American, or other Spanish. Other groups based on national origin are Asians and Pacific Islanders, and Native Americans, which includes Aleuts, Eskimos, and American Indians. Racial groups are white, black, and other.

Family Income -- the total of all income received by related family members during the 12 months preceding the interview.

Poverty Status -- persons are classified into 2 categories: (1) above poverty threshold and (2) at or below poverty threshold. Poverty status is based on family size, number of children under 18 years of age, and family income using poverty levels derived from the Current Population Survey. The average income cutoffs for a non-farm family of 4 were $10,178 in 1983, $10,609 in 1984, and $10,989 in 1985.

Education -- education categories are for individuals, based on the highest year of school finished.

Chronic conditions

A condition is considered chronic if it has lasted more than three months by the week of the interview or if it is on a list of conditions always classified as chronic, regardless of duration. These include tuberculosis, neoplasms, thyroid disease, diabetes, gout, psychoses and certain other mental disorders, multiple sclerosis and other diseases of the central nervous system, certain eye conditions, rheumatic fever, hypertension, stroke, all heart conditions, emphysema, asthma, hay fever, bronchiectasis, ulcers and certain diseases of the esophagus, stomach, and duodenum, hernia of abdominal cavity, gastroenteritis and colitis, calculus of kidney, ureter, and other parts of the urinary system, prostate disease, cystic breast disease, eczema and certain other types of dermatitis, arthritis and rheumatism, bone cysts, and all congenital anomalies.

Table II-A presents the list of chronic conditions used in this report and their codes as defined by the Ninth Revision of the International Classification of Diseases (ICD). NCHS employs a special listing of impairments with codes beginning with 'X', the so-called X-codes. These are used in place of any ICD codes to which an impairment may be classifiable. The listing is a modified version of the condition lists provided on the NHIS public use tapes (Recodes B and C). 75 separate condition groups are used in this list.

A shortened version of the Table II-A list is presented in Table II-B. This short list consists of 22 condition groups and is used in the multiple disabling condition tables (Tables 11-13). Table II-B shows the revised condition names and the ICD codes that were used for each of the 22 condition groups.

TABLE II-A: LIST OF DETAILED CONDITION GROUPS

REVISED RECODE C LIST	CONDITION NAME	ICD-9 CODES AS ADAPTED BY NCHS
100	Rheumatoid arthritis	714
101	Osteoarthritis/other arthropathies	711.0,9, 712.8,9, 715-716, 720.0, 721
105	Intervertebral disk disorders	722
107	Osteomyelitis/bone disorders	726.9, 730.0-3,9, 731.0,2, 732, 733
109	Bursitis	726.0-8, 727.0,2,9
113	Psoriasis and dermatitis	690-694, 696
119	Skin cancer	172, 173
120	Bone cancer	170
121	Other skin and musculoskeletal	216, 274, 690-693, 693.2-A, 694-698, 698.9, 700-709, 724.2,3, 727.1, 729.0
201	Blind in both eyes	X00
203	Deaf in both ears	X05
210	Absence of arm(s)/hand(s)	X20, X21, X23, X24
212	Absence of leg(s)	X26, X28
213	Absence of fingers, toes, feet	X22, X25, X35
217	Other absence	X31, X34
222	Complete paralysis of extremities	X40, X41.0,9, X42-X49
223	Cerebral palsy	X50
226	Partial paralysis of extremities	X51-X59
227	Other paralysis	X60-X64
228	Curvature of back or spine	X70
229	Other impairment of back	X80
230	Spina bifida	X71
233	Impairment of upper extremities	X73, X74, X84
236	Impairment of lower extremities	X75-X78, X85, X86
237	Other orthopedic impairment	X79, X89
238	Speech impairments	X10,X11
241	Cataracts	366
242	Glaucoma	365
243	Other eye disorders	360-364, 367, 368, 370, 371, 372.0-9, 373-379, X01, X02, X04
244	Other ear disorders	381-387, 388.0,1,3-9, X06-X09
305	Ulcers	531-533

TABLE II-A: LIST OF DETAILED CONDITION GROUPS--CONTINUED

REVISED RECODE C LIST	CONDITION NAME	ICD-9 CODES AS ADAPTED BY NCHS
306	Abdominal hernia	550-553
311	Enteritis and colitis	555, 556, 558
316	Cancer of digestive sites	140-149, 150-159
317	Other digestive disorders	520.3,4,7-9, 521-523, 525-529, X92, 530, 534-537, 540-543, 557, 560, 562, 564.0-1, 565-573.0,3-9, 574, 575.0,2-6,8,9, 576-579, 787
403	Diabetes	250
404	Anemias	280-285
405	Epilepsy	345
406	Migraine headache	346
411	Kidney disorders	581-583, 590, 592, 593
415	Multiple sclerosis	340
420	Female genital disorders	610, 611, 614-629, X32
421	Cancer of female breast	174
426	Cancer of genitourinary sites	179-189
428	Schizophrenia/other psychoses	291-299
429	Neuroses/personality disorders	300, 301
430	Alchohol or drug dependency	303, 304
431	Mental retardation	X19
432	Other mental illness	302, 305, 306.1-5, 307-314, 315.4,5,8,9, 316-A, X10, X14
434	Tuberculosis	010-018, 019-A
435	Other infectious/parasitic	001-009.0,2, 020-027, 030-041, 045-057, 060-066, 070-088, 100-104, 110-112, 114-118, 120-136
437	Leukemia	204-208
438	Senility	290, 797
439	Parkinson's disease	332
441	Other nervous disorders	320, 322, 323-325, 330, 331.0-2,8,9, 333-337, 341, 346-352, 353.0-4,6,8,9, 354-359
442	Surgical/medical complications	996-999
443	Other injuries	800-848, 850-854, 860-869, 870-884 (except 871.3), 890-894, 900-904, 910-957, 959-979, 988-995

TABLE II-A: LIST OF DETAILED CONDITION GROUPS--CONTINUED

REVISED RECODE C LIST	CONDITION NAME	ICD-9 CODES AS ADAPTED BY NCHS
501	Rheumatic fever	390, 392-398, 399-NHIS code only
502	Ischemic heart disease	410-414, 429.6
505	Heart rhythm disorders	427.0-6,8,9, 785.0-2
507	Other heart disease	415-417, 420.9, 421.0,9, 422.9, 423, 424, 425.0-5,9, 426, 428, 429.0-5,8,9, 745, 746, 785.0-3
508	Hypertension	401-405
509	Cerebrovascular disease	430-438
510	Arteriosclerosis	440
513	Phlebitis, varicose veins	451-454
516	Other circulatory	441-444, 455-459
601	Chronic bronchitis	490, 491
602	Asthma	493
605	Sinusitis	473
606	Hay fever	477
609	Emphysema	492
613	Lung or bronchial cancer	160, 162.2-9, 163-165
616	Other respiratory disease	470-476, 478, 480-483, 485-487, 494-496, 500-508, 510-516, X30
997	Cancer of all other sites	161, 171, 175, 190-199, 200-203
998	Other ill-defined conditions	780, 781.0-4,6,7,9, 782, 783.0,2-6,9, 784, 786-797, 799, 799.5-A, X11, X12
999	All other chronic conditions	all other codes

TABLE II-B: SHORT LIST OF CONDITION GROUPS

REVISED RECODE C LIST	CONDITION NAME	ICD-9 CODES AS ADAPTED BY NCHS
101	Arthritis	714, 711.0,9, 712.8,9, 715-716, 720.0, 721
105	Intervertebral disk disorders	722
121	Other skin and musculoskeletal	216, 274, 690-693, 693.2-A, 694-698, 698.9, 700-709, 724.2,3, 727.1, 729.0 726.9, 730.0-3,9, 731.0,2, 732, 733, 726.0-8, 727.0,2,9, 690-694, 696
204	Eye or ear impairments	X00, X05, 366, 365, 360-364, 367, 368, 370, 371, 372.0-9, 373-379, X01, X02, X04, 381-387, 388.0,1,3-9, X06-X09
227	Absence or paralysis	X60-X64, X20, X21, X23, X24, X26, X28, X22, X25, X35, X31, X34, X40, X41.0,9, X42-X49, X50, X51-X59
229	Back impairments	X70, X71, X80
236	Impairment of lower extremities	X75-X78, X85, X86
237	Other orthopedic impairment	X79, X89, X73, X74, X84
317	Digestive disorders	531-533, 550-553, 555, 556, 558, 520.3,4,7-9, 521-523, 525-529, X92, 530, 534-537, 540-543, 557, 560, 562, 564.0-1, 565-573.0,3-9, 574, 575.0,2-6,8,9,576-579, 787
403	Diabetes	250
431	Mental retardation	X19
432	Mental illness	302, 305, 306.1-5, 307-314, 315.4,5,8,9, 316-A, X10, X14, 291-299, 300, 301
441	Nervous disorders	320, 322, 323-325, 330, 331.0-2,8,9, 333-337, 341, 345, 346-352, 353.0-4,6,8,9, 290, 797, 332, 354-359, X41.1-8,.X,.Y, X61
501	Heart disease	390, 392-398, 399-NHIS code only, 410-414, 429.6, 427.0-6,8,9, 785.0-2, 415-417, 420.9, 421.0,9, 422.9, 423, 424, 425.0-5,9, 426, 428, 429.0-5,8,9, 745, 746, 785.0-3
508	Hypertension	401-405
509	Cerebrovascular disease	430-438
510	Other circulatory disease	440, 451-454, 441-444, 455-459
602	Asthma	493
609	Emphysema	492
616	Other respiratory disease	470-478, 480-483, 485-487, 494-496, 500-508, 510-516, X30 490, 491,473
997	Cancer of all sites	161, 171, 175, 190-199, 200-203, 160, 162.2-9, 163-165, 140-149, 150-159
999	All other chronic conditions	all other codes

Appendix III

1985 National Health Interview Survey Core questionnaire

PHS-T-813

O.M.B. No. 0937-0021 Approval Expires March 31, 1986

NOTICE – Information contained on this form which would permit identification of any individual or establishment has been collected with a guarantee that it will be held in strict confidence, will be used only for purposes stated for this study, and will not be disclosed or released to others without the consent of the individual or the establishment in accordance with section 308(d) of the Public Health Service Act (42 USC 242m).

1. Book ____ of ____ books

2. R.O. number

3. Sample

FORM **HIS-1 (1985)**
(10-1-84)

U.S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS
ACTING AS COLLECTING AGENT FOR THE
U.S. PUBLIC HEALTH SERVICE

NATIONAL HEALTH INTERVIEW SURVEY

4. Segment type
☐ Area
☐ Permit
☐ Block

5. Control number

PSU	Segment	Serial

6a. What is your exact address? *(Include House No., Apt. No., or other identification, county and ZIP code)*

City	State	County	ZIP code

LISTING SHEET
Sheet No.
Line No.

b. Is this your mailing address? *(Mark box or specify if different. Include county and ZIP code.)* ☐ Same as 6a

City	State	County	ZIP code

c. Special place name	Sample unit number	Type code

AREA AND BLOCK SEGMENTS

7. YEAR BUILT
☐ Ask
☐ Do not ask
When was this structure originally built?
☐ Before 4-1-80 *(Continue interview)*
☐ After 4-1-80 *(Complete item 8c when required, and interview)*

8. COVERAGE QUESTIONS
☐ Ask items that are marked
☐ Do not ask

a. ☐	**Are there any occupied or vacant living quarters besides your own in this building?**	☐ Yes *(Fill Table X)* ☐ No
b. ☐	**Are there any occupied or vacant living quarters besides your own on this floor?**	☐ Yes *(Fill Table X)* ☐ No
c. ☐	**Is there any other building on this property for people to live in either occupied or vacant?**	☐ Yes *(Fill Table X)* ☐ No

9a. LAND USE
1 ☐ URBAN *(10)*
2 ☐ RURAL
– Reg. units and SP. PL. units coded 85–88 in 6c – *Ask item 9b*
– SP. PL. units not coded 85–88 in 6c – *Mark "No" in item 9b without asking*

b. During the past 12 months did sales of crops, livestock, and other farm products from this place amount to $1,000 or more?
1 ☐ Yes } *(10)*
2 ☐ No }

10. CLASSIFICATION OF LIVING QUARTERS – *Mark by observation*

a. LOCATION of unit
Unit is:
☐ In a Special Place – *Refer to Table A in Part C of manual; then complete 10c or d*
☐ NOT in a Special Place *(10b)*

b. Access
☐ Direct *(10c)*
☐ Through another unit – *Not a separate HU, combine with unit through which access is gained. (Apply merged unit procedures if additional living quarters space was listed separately.)*

c. HOUSING unit *(Mark one, THEN page 2)*
01 ☐ House, apartment, flat
02 ☐ HU in nontransient hotel, motel, etc.
03 ☐ HU-permanent in transient hotel, motel, etc.
04 ☐ HU in rooming house
05 ☐ Mobile home or trailer with no permanent room added
06 ☐ Mobile home or trailer with one or more permanent rooms added
07 ☐ HU not specified above – *Describe in footnotes*

d. OTHER unit *(Mark one)*
08 ☐ Quarters not HU in rooming or boarding house
09 ☐ Unit not permanent in transient hotel, motel, etc.
10 ☐ Unoccupied site for mobile home, trailer, or tent
11 ☐ Student quarters in college dormitory
12 ☐ OTHER unit not specified above – *Describe in footnotes*

GO TO HOUSEHOLD COMPOSITION PAGE

11. **What is the telephone number here?** Area code/number
☐ None

12. Was this interview observed?
1 ☐ Yes 2 ☐ No

13. Interviewer's name Code

14. Noninterview reason

TYPE A
01 ☐ Refusal – *Describe in footnotes*
02 ☐ No one at home – repeated calls
03 ☐ Temporarily absent – *Footnote*
04 ☐ Other *(Specify)*
Fill items 1–6a, 7 and 9 as applicable, 10, 12–15

TYPE B
05 ☐ Vacant – nonseasonal
06 ☐ Vacant – seasonal
07 ☐ Occupied entirely by persons with URE
08 ☐ Occupied entirely by Armed Forces members
09 ☐ Unfit or to be demolished
10 ☐ Under construction, not ready
11 ☐ Converted to temporary business or storage
12 ☐ Unoccupied site for mobile home, trailer, or tent
13 ☐ Permit granted, construction not started
14 ☐ Other *(Specify)*
Fill items 1–6a, 7–9 as applicable, 10, 12–15

TYPE C
15 ☐ Unused line of listing sheet
16 ☐ Demolished
17 ☐ House or trailer moved
18 ☐ Outside segment
19 ☐ Converted to permanent business or storage
20 ☐ Merged
21 ☐ Condemned
22 ☐ Built after April 1, 1980
23 ☐ Other *(Specify)*
Fill items 1–6a, 8c if marked, 12–15, send Inter–Comm

15. Record of calls

	Month	Date	Beginning time	Ending time	Completed *Mark (X)*
1			a.m. p.m.	a.m. p.m.	
2			a.m. p.m.	a.m. p.m.	
3			a.m. p.m.	a.m. p.m.	
4			a.m. p.m.	a.m. p.m.	
5			a.m. p.m.	a.m. p.m.	
6			a.m. p.m.	a.m. p.m.	

16. List column numbers of persons requiring callbacks and mark appropriately.
☐ None

Col. No.	SS No.	Section M	SP

17. Record of additional contacts

	Month	Date		Beginning time	Ending time	Completed Col. No.
1			P T	a.m. p.m.	a.m. p.m.	
2			P T	a.m. p.m.	a.m. p.m.	
3			P T	a.m. p.m.	a.m. p.m.	
4			P T	a.m. p.m.	a.m. p.m.	

SP Old age Smoking asked

A. HOUSEHOLD COMPOSITION PAGE

1

1a. What are the names of all persons living or staying here? Start with the name of the person or one of the persons who owns or rents this home. *Enter name in* **REFERENCE PERSON** *column.*

b. What are the names of all other persons living or staying here? *Enter names in columns.*

c. I have listed *(read names).* **Have I missed:**

	If "Yes," enter names in columns Yes	No
– any babies or small children?	☐	☐
– any lodgers, boarders, or persons you employ who live here?	☐	☐
– anyone who USUALLY lives here but is now away from home traveling or in a hospital?	☐	☐
– anyone else staying here?	☐	☐

d. Do all of the persons you have named usually live here?
☐ Yes *(2)*
☐ No *(APPLY HOUSEHOLD MEMBERSHIP RULES. Delete nonhousehold members by an "X" from 1–C2 and enter reason.)*

Probe if necessary

Does -- usually live somewhere else?

Ask for all persons beginning with column 2:

2. **What is -- relationship to** *(reference person)***?**

3. **What is -- date of birth?** *(Enter date and age and mark sex.)*

1. First name Mid. Init. Age
Last name
Sex 1 ☐ M 2 ☐ F

2. Relationship
REFERENCE PERSON

3. Date of birth
Month Date Year

C1

HOSP.	WORK	RD	2-WK. DV
00 ☐ None ____ Number	1 ☐ Wa 2 ☐ Wb	☐ Yes ☐ No	00 ☐ None ____ Number

C2

LA RA DV INJ CL LTR HS COND

LA RA DV INJ CL LTR HS COND

LA RA DV INJ CL LTR HS COND

LA RA DV INJ CL LTR HS COND

LA RA DV INJ CL LTR HS COND

REFERENCE PERIODS

A1

2-WEEK PERIOD

12-MONTH DATE

13-MONTH HOSPITAL DATE

A2

ASK CONDITION LIST_____.

A3 *Refer to ages of all related HH members.*

A3 All persons 65 and over *(5)*
Other *(4)*

4a. Are any of the persons in this family now on full-time active duty with the armed forces?
☐ Yes ☐ No *(5)*

b. Who is this?
Delete column number(s) ________ *by an "X" from 1 – C2.*

c. Anyone else?
☐ Yes *(Reask 4b and c)* ☐ No

Ask for each person in armed forces:

d. Where does -- usually live and sleep, here or somewhere else?
Mark box in person's column.

4d. ☐ Living at home
☐ Not living at home

If related persons 17 and over are listed in addition to the respondent and are not present, say:

5. **We would like to have all adult family members who are at home take part in the interview. Are** *(names of persons 17 and over)* **at home now?** *If "Yes," ask:* **Could they join us?** *(Allow time)*

Read to respondent(s):

This survey is being conducted to collect information on the nation's health. I will ask about hospitalizations, disability, visits to doctors, illness in the family, and other health related items.

HOSPITAL PROBE

6a. Since *(13-month hospital date)* **a year ago, was -- a patient in a hospital OVERNIGHT?**

6a. 1 ☐ Yes
2 ☐ No *(Mark "HOSP." box, THEN NP)*

b. How many different times did -- stay in any hospital overnight or longer since *(13-month hospital date)* **a year ago?**

b. ________ Number of times } *(Make entry in "HOSP." box, THEN NP)*

Ask for each child under one:

7a. Was -- born in a hospital?

7a. 1 ☐ Yes
2 ☐ No *(NP)*

Ask for mother and child

b. Have you included this hospitalization in the number you gave me for --?

b. ☐ Yes *(NP)*
☐ No *(Correct 6 and "HOSP." box)*

FOOTNOTES

FORM HIS-1 (1985) (10-1-84)

B. LIMITATION OF ACTIVITIES PAGE

B1 *Refer to age.*	**B1**	1 ☐ 18–69 *(1)* 2 ☐ Other *(NP)*
1. **What was -- doing MOST OF THE PAST 12 MONTHS; working at a job or business, keeping house, going to school, or something else?** *Priority if 2 or more activities reported: (1) Spent the most time doing; (2) Considers the most important.*	1.	1 ☐ Working *(2)* 2 ☐ Keeping house *(3)* 3 ☐ Going to school *(5)* 4 ☐ Something else *(5)*
2a. **Does any impairment or health problem NOW keep -- from working at a job or business?**	2a.	1 ☐ Yes *(7)* ☐ No
b. **Is -- limited in the kind OR amount of work -- can do because of any impairment or health problem?**	b.	2 ☐ Yes *(7)* 3 ☐ No *(6)*
3a. **Does any impairment or health problem NOW keep -- from doing any housework at all?**	3a.	4 ☐ Yes *(4)* ☐ No
b. **Is -- limited in the kind OR amount of housework -- can do because of any impairment or health problem?**	b.	5 ☐ Yes *(4)* 6 ☐ No *(5)*
4a. **What (other) condition causes this?** *Ask if injury or operation:* **When did [the** *(injury)* **occur?/--have the operation?]** *Ask if operation over 3 months ago:* **For what condition did -- have the operation?** *If pregnancy/delivery or 0–3 months injury or operation –* *Reask question 3 where limitation reported, saying:* **Except for --** *(condition)*, **. . .?** *OR reask 4b/c.*	4a.	*(Enter condition in C2, THEN 4b)* 1 ☐ Old age *(Mark "Old age" box, THEN 4c)*
b. **Besides** *(condition)* **is there any other condition that causes this limitation?**	b.	☐ Yes *(Reask 4a and b)* ☐ No *(4d)*
c. **Is this limitation caused by any (other) specific condition?**	c.	☐ Yes *(Reask 4a and b)* ☐ No
Mark box if only one condition. d. **Which of these conditions would you say is the MAIN cause of this limitation?**	d.	☐ Only 1 condition ________________ Main cause
5a. **Does any impairment or health problem keep -- from working at a job or business?**	5a.	1 ☐ Yes *(7)* ☐ No
b. **Is -- limited in the kind OR amount of work -- could do because of any impairment or health problem?**	b.	2 ☐ Yes *(7)* 3 ☐ No
B2 *Refer to questions 3a and 3b.*	**B2**	1 ☐ "Yes" in 3a or 3b *(NP)* 2 ☐ Other *(6)*
6a. **Is -- limited in ANY WAY in any activities because of an impairment or health problem?**	6a.	1 ☐ Yes 2 ☐ No *(NP)*
b. **In what way is -- limited?** *Record limitation, not condition.*	b.	________________ Limitation
7a. **What (other) condition causes this?** *Ask if injury or operation:* **When did [the** *(injury)* **occur?/--have the operation?]** *Ask if operation over 3 months ago:* **For what condition did -- have the operation?** *If pregnancy/delivery or 0–3 months injury or operation –* *Reask question 2, 5, or 6 where limitation reported, saying:* **Except for --** *(condition)*, **. . .?** *OR reask 7b/c.*	7a.	*(Enter condition in C2, THEN 7b)* 1 ☐ Old age *(Mark "Old age" box, THEN 7c)*
b. **Besides** *(condition)* **is there any other condition that causes this limitation?**	b.	☐ Yes *(Reask 7a and b)* ☐ No *(7d)*
c. **Is this limitation caused by any (other) specific condition?**	c.	☐ Yes *(Reask 7a and b)* ☐ No
Mark box if only one condition. d. **Which of these conditions would you say is the MAIN cause of this limitation?**	d.	☐ Only 1 condition ________________ Main cause

B. LIMITATION OF ACTIVITIES PAGE, Continued

B3 *Refer to age.*	**B3**	0 ☐ Under 5 *(10)* 1 ☐ 5–17 *(11)* 2 ☐ 18–69 *(NP)* 3 ☐ 70 and over *(8)*
8. **What was -- doing MOST OF THE PAST 12 MONTHS; working at a job or business, keeping house, going to school, or something else?** *Priority if 2 or more activities reported: (1) Spent the most time doing; (2) Considers the most important.*	8.	1 ☐ Working 2 ☐ Keeping house 3 ☐ Going to school 4 ☐ Something else
9a. **Because of any impairment or health problem, does -- need the help of other persons with -- personal care needs, such as eating, bathing, dressing, or getting around this home?**	9a.	1 ☐ Yes *(13)* ☐ No
b. **Because of any impairment or health problem, does -- need the help of other persons in handling -- routine needs, such as everyday household chores, doing necessary business, shopping, or getting around for other purposes?**	b.	2 ☐ Yes *(13)* 3 ☐ No *(12)*
10a. **Is -- able to take part AT ALL in the usual kinds of play activities done by most children -- age?**	10a.	☐ Yes 0 ☐ No *(13)*
b. **Is -- limited in the kind OR amount of play activities -- can do because of any impairment or health problem?**	b.	1 ☐ Yes *(13)* 2 ☐ No *(12)*
11a. **Does any impairment or health problem NOW keep -- from attending school?**	11a.	1 ☐ Yes *(13)* ☐ No
b. **Does -- attend a special school or special classes because of any impairment or health problem?**	b.	2 ☐ Yes *(13)* ☐ No
c. **Does -- need to attend a special school or special classes because of any impairment or health problem?**	c.	3 ☐ Yes *(13)* ☐ No
d. **Is -- limited in school attendance because of -- health?**	d.	4 ☐ Yes *(13)* 5 ☐ No
12a. **Is -- limited in ANY WAY in any activities because of an impairment or health problem?**	12a.	1 ☐ Yes 2 ☐ No *(NP)*
b. **In what way is -- limited?** *Record limitation, not condition.*	b.	________________ Limitation
13a. **What (other) condition causes this?** *Ask if injury or operation:* **When did [the** *(injury)* **occur? / --have the operation?]** *Ask if operation over 3 months ago:* **For what condition did -- have the operation?** *If pregnancy/delivery or 0–3 months injury or operation –* *Reask question where limitation reported, saying:* **Except for --** *(condition)*, **. . .?** *OR reask 13b/c.*	13a.	*(Enter condition in C2, THEN 13b)* 1 ☐ Old age *(Mark "Old age" box, THEN 13c)*
b. **Besides** *(condition)* **is there any other condition that causes this limitation?**	b.	☐ Yes *(Reask 13a and b)* ☐ No *(13d)*
c. **Is this limitation caused by any (other) specific condition?**	c.	☐ Yes *(Reask 13a and b)* ☐ No
Mark box if only one condition. d. **Which of these conditions would you say is the MAIN cause of this limitation?**	d.	☐ Only 1 condition ________________ Main cause

FOOTNOTES

B. LIMITATION OF ACTIVITIES PAGE, Continued

B4	*Refer to age.*	B4	0 ☐ Under 5 *(NP)* 1 ☐ 5–59 *(B5)* 2 ☐ 60–69 *(14)* 3 ☐ 70 and over *(NP)*
B5	*Refer to "Old age," and "LA" boxes. Mark first appropriate box.*	B5	☐ "Old age" box marked *(14)* ☐ Entry in "LA" box *(14)* ☐ Other *(NP)*
14a.	**Because of any impairment or health problem, does -- need the help of other persons with -- personal care needs, such as eating, bathing, dressing, or getting around this home?**	14a.	1 ☐ Yes *(15)* ☐ No
	If under 18, skip to next person; otherwise ask:		
b.	**Because of any impairment or health problem, does -- need the help of other persons in handling -- routine needs, such as everyday household chores, doing necessary business, shopping, or getting around for other purposes?**	b.	2 ☐ Yes 3 ☐ No *(NP)*
15a.	**What (other) condition causes this?** *Ask if injury or operation:* **When did [the *(injury)* occur? / -- have the operation?]** *Ask if operation over 3 months ago:* **For what condition did -- have the operation?** *If pregnancy/delivery or 0–3 months injury or operation –* *Reask question 14 where limitation reported, saying:* **Except for -- *(condition)* . . . ?** *OR reask 15b/c.*	15a.	*(Enter condition in C2, THEN 15b)* 1 ☐ Old age *(Mark "Old age" box, THEN 15c)*
b.	**Besides *(condition)* is there any other condition that causes this limitation?**	b.	☐ Yes *(Reask 15a and b)* ☐ No *(15d)*
c.	**Is this limitation caused by any (other) specific condition?**	c.	☐ Yes *(Reask 15a and b)* ☐ No
	Mark box if only one condition.	d.	☐ Only 1 condition
d.	**Which of these conditions would you say is the MAIN cause of this limitation?**		________________ Main cause

FOOTNOTES

D. RESTRICTED ACTIVITY PAGE PERSON 1

Hand calendar.

(The next questions refer to the 2 weeks outlined in red on that calendar, beginning Monday, (*date*) and ending this past Sunday (*date*).)

D1 *Refer to age.*

☐ Under 5 *(4)* ☐ 5–17 *(3)* ☐ 18 and over *(1)*

1a. DURING THOSE 2 WEEKS, did -- work at any time at a job or business, not counting work around the house? (Include unpaid work in the family [farm/business].)

1 ☐ Yes *(Mark "Wa" box, THEN 2)* 2 ☐ No

b. Even though -- did not work during those 2 weeks, did -- have a job or business?

1 ☐ Yes *(Mark "Wb" box, THEN 2)* 2 ☐ No *(4)*

2a. During those 2 weeks, did -- miss any time from a job or business because of illness or injury?

☐ Yes 00 ☐ No *(4)*

b. During that 2-week period, how many days did -- miss more than half of the day from -- job or business because of illness or injury?

00 ☐ None *(4)* No. of work-loss days ______ *(4)*

3a. During those 2 weeks, did -- miss any time from school because of illness or injury?

☐ Yes 00 ☐ No *(4)*

b. During that 2-week period, how many days did -- miss more than half of the day from school because of illness or injury?

00 ☐ None No. of school-loss days ______

4a. During those 2 weeks, did -- stay in bed because of illness or injury?

☐ Yes 00 ☐ No *(6)*

b. During that 2-week period, how many days did -- stay in bed more than half of the day because of illness or injury?

00 ☐ None *(6)* No. of bed days ______ *(D2)*

D2 *Refer to 2b and 3b.*

☐ No days in 2b or 3b *(6)*
☐ 1 or more days in 2b or 3b *(5)*

5. **On how many of the** *(number in 2b or 3b)* **days missed from [work/school] did -- stay in bed more than half of the day because of illness or injury?**

00 ☐ None ______ No. of days

Refer to 2b, 3b, and 4b.

6a. **(Not counting the day(s) [missed from work / missed from school / (and) in bed]),**

Was there any (OTHER) time during those 2 weeks that -- cut down on the things -- usually does because of illness or injury?

☐ Yes 00 ☐ No *(D3)*

b. **(Again, not counting the day(s) [missed from work / missed from school / (and) in bed]),**

During that period, how many (OTHER) days did -- cut down for more than half of the day because of illness or injury?

00 ☐ None No. of cut-down days ______

D3 *Refer to 2–6.*

☐ No days in 2–6 *(Mark "No" in RD, THEN NP)*
☐ 1 or more days in 2–6 *(Mark "Yes" in RD, THEN 7)*

Refer to 2b, 3b, 4b, and 6b.

7a. **What (other) condition caused -- to [miss work / miss school / (or) stay in bed / (or) cut down] during those 2 weeks?**

(Enter condition in C2, THEN 7b)

b. **Did any other condition cause -- to [miss work / miss school / (or) stay in bed / (or) cut down] during that period?**

1 ☐ Yes *(Reask 7a and b)* 2 ☐ No

FOOTNOTES

FORM HIS-1 (1985) (10-1-84)

E. 2-WEEK DOCTOR VISITS PROBE PAGE

Read to respondent(s): **These next questions are about health care received during the 2 weeks outlined in red on that calendar.**		
E1 *Refer to age.*	E1	☐ Under 14 *(1b)* ☐ 14 and over *(1a)*
1a. During those 2 weeks, how many times did -- see or talk to a medical doctor? (Include all types of doctors, such as dermatologists, psychiatrists, and ophthalmologists, as well as general practitioners and osteopaths.) (Do not count times while an overnight patient in a hospital.) **b. During those 2 weeks, how many times did anyone see or talk to a medical doctor about --? (Do not count times while an overnight patient in a hospital.)**	1a. and b.	00 ☐ None ☐ Number of times *(NP)*
2a. (Besides the time(s) you just told me about) During those 2 weeks, did anyone in the family receive health care at home or go to a doctor's office, clinic, hospital or some other place? Include care from a nurse or anyone working with or for a medical doctor. Do not count times while an overnight patient in a hospital. ☐ Yes ☐ No *(3a)*		
b. Who received this care? *Mark "DR Visit" box in person's column.*	2b.	☐ DR Visit
c. Anyone else? ☐ Yes *(Reask 2b and c)* ☐ No		
Ask for each person with "DR Visit" in 2b: **d. How many times did -- receive this care during that period?**	d.	☐ Number of times
3a. (Besides the time(s) you already told me about) During those 2 weeks, did anyone in the family get any medical advice, prescriptions or test results over the PHONE from a doctor, nurse, or anyone working with or for a medical doctor? ☐ Yes ☐ No *(E2)*		
b. Who was the phone call about? *Mark "Phone call" box in person's column.*	3b.	☐ Phone call
c. Were there any calls about anyone else? ☐ Yes *(Reask 3b and c)* ☐ No		
Ask for each person with "Phone call" in 3b: **d. How many telephone calls were made about --?**	d.	☐ Number of calls
E2 *Add numbers in 1, 2d, and 3d for each person. Record total number of visits and calls in "2-WK. DV" box in item C1.*		

FOOTNOTES

F. 2-WEEK DOCTOR VISITS PAGE

		DR VISIT 1
Refer to C1, "2-WK. DV" box.		PERSON NUMBER________
F1 *Refer to age.*	F1	☐ Under 14 *(1b)* ☐ 14 and over *(1a)*
1a. On what (other) date(s) during those 2 weeks did -- see or talk to a medical doctor, nurse, or doctor's assistant? **b. On what (other) date(s) during those 2 weeks did anyone see or talk to a medical doctor, nurse, or doctor's assistant about --?**	1a. and b.	______ Month ______ Date OR 7777 ☐ Last week 8888 ☐ Week before
Ask after last DR visit column for this person: **c. Were there any other visits or calls for -- during that period?** *Make necessary correction to 2-WK. DV box in C1*	c.	1 ☐ Yes *(Reask 1a or b and c)* 2 ☐ No *(Ask 2–5 for each visit)*
2. Where did -- receive health care on *(date in 1)*, **at a doctor's office, clinic, hospital, some other place, or was this a telephone call?** *If doctor's office:* **Was this office in a hospital?** *If hospital:* **Was it the outpatient clinic or the emergency room?** *If clinic:* **Was it a hospital outpatient clinic, a company clinic, a public health clinic, or some other kind of clinic?** *If lab:* **Was this lab in a hospital?** **What was done during this visit?** *(Footnote)*	2.	01 ☐ Telephone Not in hospital: 02 ☐ Home 03 ☐ Doctor's office 04 ☐ Co. or Ind. clinic 05 ☐ Other clinic 06 ☐ Lab 07 ☐ Other *(Specify)* ________ Hospital: 08 ☐ O.P. clinic 09 ☐ Emergency room 10 ☐ Doctor's office 11 ☐ Lab 12 ☐ Overnight patient *(Next DR visit)* 88 ☐ Other *(Specify)* ________
Ask 3b if under 14. **3a. Did -- actually talk to a medical doctor?** **b. Did anyone actually talk to a medical doctor about --?**	3a. and b.	1 ☐ Yes *(3f)* 2 ☐ No *(3c)* 8 ☐ DK if M.D. *(3c)* 9 ☐ DK who was seen *(3f)*
c. What type of medical person or assistant was talked to?	c.	________ Type 99 ☐ DK
d. Does the *(entry in 3c)* **work with or for ONE doctor or MORE than one doctor?**	d.	1 ☐ One *(3f)* 2 ☐ More 3 ☐ None *(4)* 9 ☐ DK
e. For this [visit/call] what kind of doctor was the *(entry in 3c)* **working with or for – a general practitioner or a specialist?** **f. Is that doctor a general practitioner or a specialist?**	e. and f.	1 ☐ GP *(4)* 2 ☐ Specialist *(3g)* 9 ☐ DK *(4)*
g. What kind of specialist?	g.	________ Kind of specialist
Ask 4b if under 14. **4a. For what condition did -- see or talk to the [doctor/***(entry in 3c)***] on** *(date in 1)*? *Mark first appropriate box.* **b. For what condition did anyone see or talk to the [doctor/***(entry in 3c)***] about -- on** *(date in 1)*? *Mark first appropriate box.*	4a. and b.	1 ☐ Condition *(Item C2, THEN 4g)* 2 ☐ Pregnancy *(4e)* 3 ☐ Test(s) or examination *(4c)* 8 ☐ Other *(Specify)* ________ *(4g)*
c. Was a condition found as a result of the [test(s)/examination]?	c.	☐ Yes *(4h)* ☐ No
d. Was this [test/examination] because of a specific condition -- had?	d.	☐ Yes *(4h)* ☐ No *(4g)*
e. During the past 2 weeks was -- sick because of -- pregnancy?	e.	☐ Yes ☐ No *(4g)*
f. What was the matter?	f.	________ Condition *(Item C2, THEN 4g)*
g. During this [visit/call] was the [doctor/*(entry in 3c)***] talked to about any (other) condition?**	g.	☐ Yes ☐ No *(5)*
h. What was the condition?	h.	☐ Pregnancy *(4e)* ________ Condition *(Item C2, THEN 4g)*
Mark box if "Telephone" in 2. **5a. Did -- have any kind of surgery or operation during this visit, including bone settings and stitches?**	5a.	0 ☐ Telephone in 2 *(Next DR visit)* 1 ☐ Yes 2 ☐ No *(Next DR visit)*
b. What was the name of the surgery or operation? *If name of operation not known, describe what was done.*	b.	(1) ________ (2) ________
c. Was there any other surgery or operation during this visit?	c.	☐ Yes *(Reask 5b and c)* ☐ No

G. HEALTH INDICATOR PAGE

1a. During the 2-week period outlined in red on that calendar, has anyone in the family had an injury from an accident or other cause that you have not yet told me about? ☐ Yes ☐ No *(2)*		
b. Who was this? *Mark "injury" box in person's column.*	1b.	☐ Injury
c. What was -- injury? *Enter injury(ies) in person's column.*	c.	______________ Injury
d. Did anyone have any other injuries during that period? ☐ Yes *(Reask 1b, c, and d)* ☐ No		
Ask for each injury in 1c: **e. As a result of the** *(injury in 1c)* **did [--/anyone] see or talk to a medical doctor or assistant (about --) or did -- cut down on -- usual activities for more than half of a day?**	e.	☐ Yes *(Enter injury in C2, THEN 1e for next injury)* ☐ No *(1e for next injury)*
2. During the past 12 months, (that is, since *(12-month date)* **a year ago) ABOUT how many days did illness or injury keep -- in bed more than half of the day? (Include days while an overnight patient in a hospital.)**	2.	000 ☐ None ______ No. of days
3a. During the past 12 months, ABOUT how many times did [-- anyone] see or talk to a medical doctor or assistant (about --)? (Do not count doctors seen while an overnight patient in a hospital.) (Include the *(number in 2-WK DV box)* **visit(s) you already told me about.)**	3a.	000 ☐ None *(3b)* 000 ☐ Only when overnight patient in hospital *(NP)* ______ No. of visits *(NP)*
b. About how long has it been since [-- anyone] last saw or talked to a medical doctor or assistant (about --)? Include doctors seen while a patient in a hospital.	b.	1 ☐ Interview week *(Reask 3b)* 2 ☐ Less than 1 yr. *(Reask 3a)* 3 ☐ 1 yr., less than 2 yrs. 4 ☐ 2 yrs., less than 5 yrs. 5 ☐ 5 yrs. or more 0 ☐ Never
4. Would you say -- health in general is excellent, very good, good, fair, or poor?	4.	1 ☐ Excellent 2 ☐ Very good 3 ☐ Good 4 ☐ Fair 5 ☐ Poor
Mark box if under 18. **5a. About how tall is -- without shoes?**	5a.	☐ Under 18 *(NP)* ______ Feet ______ Inches
b. About how much does -- weigh without shoes?	b.	______ Pounds

FOOTNOTES

FORM HIS-1 (1985) (10-1-84)

H. CONDITION LISTS 1 AND 2

Read to respondent(s) and ask list specified in A2:

Now I am going to read a list of medical conditions. Tell me if anyone in the family has any of these conditions, even if you have mentioned them before.

1

1a. Does anyone in the family *{read names}* **NOW have –** *If "Yes," ask 1b and c.*

b. Who is this?

c. Does anyone else NOW have –

Enter condition and letter in appropriate person's column.

A. PERMANENT stiffness or any deformity of the foot, leg, fingers, arm, or back? *(Permanent stiffness – joints will not move at all.)*

B. Paralysis of any kind?

1d. DURING THE PAST 12 MONTHS, did anyone in the family have – *If "Yes," ask 1e and f.*

e. Who was this?

f. DURING THE PAST 12 MONTHS, did anyone else have –

Enter condition and letter in appropriate person's column.

C–L are conditions affecting the bone and muscle.

M–W are conditions affecting the skin.

C. Arthritis of any kind or rheumatism?

D. Gout?

E. Lumbago?

F. Sciatica?

G. A bone cyst or bone spur?

H. Any other disease of the bone or cartilage?

I. A slipped or ruptured disc?

J. REPEATED trouble with neck, back, or spine?

K. Bursitis?

L. Any disease of the muscles or tendons?

Reask 1d

M. A tumor, cyst, or growth of the skin?

N. Skin cancer?

O. Eczema or psoriasis? **(ek'sa-ma) or (so-rye'uh-sis)**

P. TROUBLE with dry or itching skin?

Q. TROUBLE with acne?

R. A skin ulcer?

S. Any kind of skin allergy?

T. Dermatitis or any other skin trouble?

U. TROUBLE with ingrown toenails or fingernails?

V. TROUBLE with bunions, corns, or calluses?

W. Any disease of the hair or scalp?

2

2a. Does anyone in the family *{read names}* **NOW have –**

If "Yes," ask 2b and c.

b. Who is this?

c. Does anyone else NOW have –

Enter condition and letter in appropriate person's column.

A–L are conditions affecting {Hearing / Vision / Speech}

M-AA are impairments.

A. Deafness in one or both ears?

B. Any other trouble hearing with one or both ears?

C. Tinnitus or ringing in the ears?

D. Blindness in one or both eyes?

E. Cataracts?

F. Glaucoma?

G. Color blindness?

H. A detached retina or any other condition of the retina?

I. Any other trouble seeing with one or both eyes EVEN when wearing glasses?

J. A cleft palate or harelip?

K. Stammering or stuttering?

L. Any other speech defect?

M. Loss of taste or smell which has lasted 3 months or more?

N. A missing finger, hand, or arm; toe, foot, or leg?

Reask 2a

O. A missing joint?

P. A missing breast, kidney, or lung?

Q. Palsy or cerebral palsy? (ser'a-bral)

R. Paralysis of any kind?

S. Curvature of the spine?

T. REPEATED trouble with neck, back, or spine?

U. Any TROUBLE with fallen arches or flatfeet?

V. A clubfoot?

W. A trick knee?

X. PERMANENT stiffness or any deformity of the foot, leg, or back? *(Permanent stiffness – joints will not move at all.)*

Y. PERMANENT stiffness or any deformity of the fingers, hand, or arm?

Z. Mental retardation?

AA. Any condition caused by an accident or injury which happened more than 3 months ago? *If "Yes," ask:* **What is the condition?**

H. CONDITION LISTS 3 AND 4

Read to respondent(s) and ask list specified in A2:
Now I am going to read a list of medical conditions. Tell me if anyone in the family has had any of these conditions, even if you have mentioned them before.

3

3a. DURING THE PAST 12 MONTHS, did anyone in the family (*read names*) have –

If "Yes," ask 3b and c.

b. Who was this?

c. DURING THE PAST 12 MONTHS, did anyone else have –

Enter condition and letter in appropriate person's column.

Make no entry in item C2 for cold; flu; red, sore, or strep throat; or "virus" even if reported in this list.

Conditions affecting the digestive system.

A. Gallstones?
B. Any other gallbladder trouble?
C. Cirrhosis of the liver?
D. Fatty liver?
E. Hepatitis?
F. Yellow jaundice?
G. Any other liver trouble?
H. An ulcer?
I. A hernia or rupture?
J. Any disease of the esophagus?
K. Gastritis?
L. FREQUENT indigestion?
M. Any other stomach trouble?

Reask 3a

N. Enteritis?
O. Diverticulitis? (Dye-ver-tic-yoo-lye'tis)
P. Colitis?
Q. A spastic colon?
R. FREQUENT constipation?
S. Any other bowel trouble?
T. Any other intestinal trouble?
U. Cancer of the stomach, intestines, colon or rectum?
V. During the past 12 months, did anyone (else) in the family have any other condition of the digestive system?

If "Yes," ask: **Who was this? – What was the condition?** *Enter in item C2. THEN reask V.*

4

4a. DURING THE PAST 12 MONTHS, did anyone in the family (*read names*) have –

If "Yes," ask 4b and c.

b. Who was this?

c. DURING THE PAST 12 MONTHS, did anyone else have –

Enter condition and letter in appropriate person's column.

A–B are conditions affecting the glandular system

C is a blood condition

D–I are conditions affecting the nervous system

J–Y are conditions affecting the genito-urinary system

A. A goiter or other thyroid trouble?
B. Diabetes?
C. Anemia of any kind?
D. Epilepsy?
E. REPEATED seizures, convulsions, or blackouts?
F. Multiple sclerosis?
G. Migraine?
H. FREQUENT headaches?
I. Neuralgia or neuritis?
J. Nephritis?
K. Kidney stones?
L. REPEATED kidney infections?
M. A missing kidney?

Reask 4a

N. Any other kidney trouble?
O. Bladder trouble?
P. Any disease of the genital organs?
Q. A missing breast?
R. Breast cancer?
S. * Cancer of the prostate?
T. * Any other prostate trouble?
U. ** Trouble with menstruation?
V. ** A hysterectomy? *If "Yes," ask:* **For what condition did -- have a hysterectomy?**
W. ** A tumor, cyst, or growth of the uterus or ovaries?
X. ** Any other disease of the uterus or ovaries?
Y. ** Any other female trouble?

* Ask only if males in family.
** Ask only if females in family.

H. CONDITION LISTS 5 AND 6

Read to respondent(s) and ask list specified in A2.
Now I am going to read a list of medical conditions. Tell me if anyone in the family has had any of these conditions, even if you have mentioned them before.

5

5a. Has anyone in the family (*read names*) **EVER had –**

If "Yes," ask 5b and c.

b. Who was this?

c. Has anyone else EVER had –

Enter condition and letter in appropriate person's column.

Conditions affecting the heart and circulatory system.

- **A. Rheumatic fever?**
- **B. Rheumatic heart disease?**
- **C. Hardening of the arteries or arteriosclerosis?**
- **D. Congenital heart disease?**
- **E. Coronary heart disease?**
- **F. Hypertension, sometimes called high blood pressure?**
- **G. A stroke or a cerebrovascular accident? (ser'a-bro vas ku-lar)**
- **H. A hemorrhage of the brain?**
- **I. Angina pectoris? (pek'to-ris)**
- **J. A myocardial infarction?**
- **K. Any other heart attack?**

5d. DURING THE PAST 12 MONTHS, did anyone in the family have –

If "Yes," ask 5e and f.

e. Who was this?

f. DURING THE PAST 12 MONTHS, did anyone else have –

Enter condition and letter in appropriate person's column.

Conditions affecting the heart and circulatory system.

- **L. Damaged heart valves?**
- **M. Tachycardia or rapid heart?**
- **N. A heart murmur?**
- **O. Any other heart trouble?**
- **P. An aneurysm? (an yoo-rizm)**
- **Q. Any blood clots?**
- **R. Varicose veins?**
- **S. Hemorrhoids or piles?**
- **T. Phlebitis or thrombophlebitis?**
- **U. Any other condition affecting blood circulation?**

6

6a. DURING THE PAST 12 MONTHS, did anyone in the family (*read names*) **have –**

If "Yes," ask 6b and c.

b. Who was this?

c. DURING THE PAST 12 MONTHS, did anyone else have –

Enter condition and letter in appropriate person's column.

Make no entry in item C2 for cold; flu; red, sore, or strep throat; or "virus" even if reported in this list.

Conditions affecting the respiratory system.

- **A. Bronchitis?**
- **B. Asthma?**
- **C. Hay fever?**
- **D. Sinus trouble?**
- **E. A nasal polyp?**
- **F. A deflected or deviated nasal septum?**
- **G. * Tonsillitis or enlargement of the tonsils or adenoids?**
- **H. * Laryngitis?**
- **I. A tumor or growth of the throat, larynx, or trachea?**
- **J. A tumor or growth of the bronchial tube or lung?**

Reask 6a.

- **K. A missing lung?**
- **L. Lung cancer?**
- **M. Emphysema?**
- **N. Pleurisy?**
- **O. Tuberculosis?**
- **P. Any other work-related respiratory condition, such as dust on the lungs, silicosis, asbestosis, or pneu-mo-co-ni-o-sis?**
- **Q. During the past 12 months did anyone (else) in the family have any other respiratory, lung, or pulmonary condition?** *If "Yes," ask:* **Who was this?—What was the condition?** *Enter in item C2, THEN reask Q.*

**If reported in this list only, ask:*

1. **How many times did –– have (*condition*) in the past 12 months?**
   If 2 or more times, enter condition in item C2.
   If only 1 time, ask:
2. **How long did it last?** *If 1 month or longer, enter in item C2.*
   If less than 1 month, do not record.
   If tonsils or adenoids were removed during past 12 months, enter the condition causing removal in item C2.

J. HOSPITAL PAGE		HOSPITAL STAY 1
1. *Refer to C1, "HOSP." box.*	1.	PERSON NUMBER ______
2. You said earlier that -- was a patient in the hospital since *(3-month hospital date)* **a year ago. On what date did -- enter the hospital ([the last time/the time before that])?** *Record each entry date in a separate Hospital Stay column.*	2.	Month | Date | Year 19 ___
3. How many nights was -- in the hospital?	3.	0000 ☐ None *(Next HS)* ______ Nights
4. For what condition did -- enter the hospital? • *For delivery ask:* **Was this a normal delivery?** *If "No," ask:* **What was the matter?** • *For newborn ask:* **Was the baby normal at birth?** *If "No," ask:* **What was the matter?** • *For initial "No condition" ask:* **Why did -- enter the hospital?** • *For tests, ask:* **What were the results of the tests?** *If no results, ask:* **Why were the tests performed?**	4.	1 ☐ Normal delivery 2 ☐ Normal at birth 3 ☐ No condition } *(5)* ☐ Condition ______
J1 *Refer to questions 2, 3, and 2-week reference period.*	J1	☐ At least one night in 2-week reference period *(Enter condition in C2, THEN 5)* ☐ No nights in 2-week reference period *(5)*
5a. Did -- have any kind of surgery or operation during this stay in the hospital, including bone settings and stitches?	5a.	1 ☐ Yes 2 ☐ No *(6)*
b. What was the name of the surgery or operation? *If name of operation not known, describe what was done.*	b.	(1) ______ (2) ______ (3) ______
c. Was there any other surgery or operation during this stay?	c.	☐ Yes *(Reask 5b and c)* ☐ No
6. What is the name and address of this hospital?	6.	Name Number and street City or County | State

FOOTNOTES

FORM HIS-1 (1985) (10-1-84)

CONDITION 1

PERSON NO. ____

1. Name of condition

Mark "2-wk. ref. pd." box without asking if "DV" or "HS" in C2 as source.

2. When did [--/anyone] last see or talk to a doctor or assistant about -- (*condition*)?

0 ☐ Interview week *(Reask 2)*
1 ☐ 2-wk. ref. pd.
2 ☐ Over 2 weeks, less than 6 mos.
3 ☐ 6 mos., less than 1 yr.
4 ☐ 1 yr., less than 2 yrs.
5 ☐ 2 yrs., less than 5 yrs.
6 ☐ 5 yrs. or more
7 ☐ Dr. seen, DK when
8 ☐ DK if Dr. seen } *(3b)*
9 ☐ Dr. never seen } *(3b)*

3a. (Earlier you told me about -- (*condition*)) Did the doctor or assistant call the (*condition*) by a more technical or specific name?

1 ☐ Yes 2 ☐ No 9 ☐ DK

Ask 3b if "Yes" in 3a, otherwise transcribe condition name from item 1 without asking:

b. What did he or she call it? ____________________
Specify

1 ☐ Color Blindness *(NC)*
3 ☐ Normal pregnancy, normal delivery, vasectomy } *(5)*
2 ☐ Cancer *(3e)*
4 ☐ Old age *(NC)*
8 ☐ Other *(3c)*

c. What was the cause of -- (*condition in 3b*)? *(Specify)*

____

Mark box if accident or injury. 0 ☐ Accident/injury *(5)*

d. Did the (*condition in 3b*) result from an accident or injury?

1 ☐ Yes *(5)* 2 ☐ No

Ask 3e if the condition name in 3b includes any of the following words:

Ailment
Anemia
Asthma
Attack
Bad
Cancer
Condition
Cyst
Defect
Disease
Disorder
Growth
Measles
Problem
Rupture
Trouble
Tumor
Ulcer

e. What kind of (*condition in 3b*) is it? ____________________
Specify

Ask 3f only if allergy or stroke in 3b–e:

f. How does the [allergy/stroke] NOW affect --? *(Specify)*

____

____

For Stroke, fill remainder of this condition page for the first present effect. Enter in item C2 and complete a separate condition page for each additional present effect.

Ask 3g if there is an impairment (refer to Card CP2) or any of the following entries in 3b–f:

Abscess
Ache (except head or ear)
Bleeding (except menstrual)
Blood clot
Boil
Cancer
Cramps (except menstrual)
Cyst
Damage
Growth
Hemorrhage
Infection
Inflammation
Neuralgia
Neuritis
Pain
Palsy
Paralysis
Rupture
Sore(ness)
Stiff(ness)
Tumor
Ulcer
Varicose veins
Weak(ness)

g. What part of the body is affected? ____________________
Specify

Show the following detail:

Head . . . . skull, scalp, face
Back spine vertebrae . . . . upper, middle, lower
Side. left or right
Ear . . . . inner or outer; left, right, or both
Eye . . . . left, right, or both
Arm . . . . shoulder, upper, elbow, lower or wrist; left, right, or both
Hand . . . . entire hand or fingers only; left, right, or both
Leg . . . . hip, upper, knee, lower, or ankle; left, right, or both
Foot . . . . entire foot, arch, or toes only; left, right, or both

Except for eyes, ears, or internal organs, ask 3h if there are any of the following entries in 3b–f:

Infection
Sore
Soreness

h. What part of the (*part of body in 3b–g*) is affected by the [infection/sore/soreness] – the skin, muscle, bone, or some other part?

Specify ____________________

Ask if there are any of the following entries in 3b–f:

Tumor
Cyst
Growth

4. Is this [tumor/cyst/growth] malignant or benign?

1 ☐ Malignant 2 ☐ Benign 9 ☐ DK

5 a. When was -- (*condition in 3b/3f*) first noticed?

b. When did -- (*name of injury in 3b*)?

1 ☐ 2-wk. ref. pd.
2 ☐ Over 2 weeks to 3 months
3 ☐ Over 3 months to 1 year
4 ☐ Over 1 year to 5 years
5 ☐ Over 5 years

Ask probes as necessary:

(Was it on or since (*first date of 2-week ref. period*) or was it before that date?)

(Was it less than 3 months or more than 3 months ago?)

(Was it less than 1 year or more than 1 year ago?)

(Was it less than 5 years or more than 5 years ago?)

K1

Refer to RD and C2:
☐ "Yes" in "RD" box AND more than 1 condition in C2 *(6)*
☐ Other *(K2)*

6a. During the 2 weeks outlined in red on that calendar, did -- (condition) cause -- to cut down on the things -- usually does?
☐ Yes ☐ No *(K2)*

b. During that period, how many days did -- cut down for more than half of the day?
00 ☐ None *(K2)* ________ Days

7. During those 2 weeks, how many days did -- stay in bed for more than half of the day because of this condition?
00 ☐ None ________ Days

Ask if "Wa/Wb" box marked in C1:
8. During those 2 weeks, how many days did -- miss more than half of the day from -- job or business because of this condition?
00 ☐ None ________ Days

Ask if age 5–17:
9. During those 2 weeks, how many days did -- miss more than half of the day from school because of this condition?
00 ☐ None ________ Days

K2

☐ Condition has "CL LTR" in C2 as source *(10)*
☐ Condition does not have "CL LTR" in C2 as source *(K4)*

10. About how many days since (12-month date) a year ago, has this condition kept -- in bed more than half of the day? (Include days while an overnight patient in a hospital.)
000 ☐ None ________ Days

11. Was -- ever hospitalized for -- (condition in 3b)?
☐ Yes 2 ☐ No

K3

☐ Missing extremity or organ *(K4)*
☐ Other *(12)*

12a. Does -- still have this condition?
1 ☐ Yes *(K4)* ☐ No

b. Is this condition completely cured or is it under control?
2 ☐ Cured
3 ☐ Under control *(K4)*
8 ☐ Other *(Specify)*
________________________ *(K4)*

c. About how long did -- have this condition before it was cured?
☐ Less than 1 month OR ________ Number ☐ Months ☐ Years

d. Was this condition present at any time during the past 12 months?
1 ☐ Yes 2 ☐ No

K4

0 ☐ Not an accident/injury *(NC)*
☐ First accident/injury for this person *(14)*
8 ☐ Other *(13)*

13. Is this (condition in 3b) the result of the same accident you already told me about?
☐ Yes *(Record condition page number where accident questions first completed.)* ⟶ ________ Page No. *(NC)*
☐ No

14. Where did the accident happen?
1 ☐ At home (inside house)
2 ☐ At home (adjacent premises)
3 ☐ Street and highway (includes roadway and public sidewalk)
4 ☐ Farm
5 ☐ Industrial place (includes premises)
6 ☐ School (includes premises)
7 ☐ Place of recreation and sports, except at school
8 ☐ Other *(Specify)*
____

Mark box if under 18. ☐ Under 18 *(16)*

15a. Was -- under 18 when the accident happened?
1 ☐ Yes *(16)* ☐ No

b. Was -- in the Armed Forces when the accident happened?
2 ☐ Yes *(16)* ☐ No

c. Was -- at work at -- job or business when the accident happened?
3 ☐ Yes 4 ☐ No

16a. Was a car, truck, bus, or other motor vehicle involved in the accident in any way?
1 ☐ Yes 2 ☐ No *(17)*

b. Was more than one vehicle involved?
1 ☐ Yes 2 ☐ No

c. Was [it/either one] moving at the time?
1 ☐ Yes 2 ☐ No

17a. At the time of the accident what part of the body was hurt?
What kind of injury was it?
Anything else?

Part(s) of body *	Kind of injury

Ask if box 3, 4, or 5 marked in Q.5:
b. What part of the body is affected now?
How is -- (part of body) affected?
Is -- affected in any other way?

Part(s) of body *	Present effects **

* Enter part of body in same detail as for 3g.
** If multiple present effects, enter in C2 each one that is not the same as 3b or C2 and complete a separate condition page for it.

L. DEMOGRAPHIC BACKGROUND PAGE

L1 *Refer to age*	L1	☐ Under 5 *(NP)* ☐ 5–17 *(2)* ☐ 18 and over *(1)*
1a. Did -- EVER serve on active duty in the Armed Forces of the United States?	1a.	1 ☐ Yes 2 ☐ No *(2)*
b. When did -- serve? *Mark box in descending order of priority. Thus, if person served in Vietnam and in Korea, mark VN.* Vietnam Era (Aug. '64 to April '75) . . . . VN Korean War (June '50 to Jan. '55) . . . . KW World War II (Sept. '40 to July '47) . . . . WWII World War I (April '17 to Nov. '18) . . . . WWI Post Vietnam (May '75 to present) . . . . PVN Other Service (all other periods) . . . . OS	b.	1 ☐ VN 2 ☐ KW 3 ☐ WWII 4 ☐ WWI 5 ☐ PVN 8 ☐ OS 9 ☐ DK
c. Was -- EVER an active member of a National Guard or military reserve unit?	c	☐ Yes 2 ☐ No *(2)* 7 ☐ DK *(2)*
d. Was ALL of -- active duty service related to National Guard or military reserve training?	d	1 ☐ Yes 3 ☐ No 9 ☐ DK
2a. What is the highest grade or year of regular school -- has ever attended?	2a.	00 ☐ Never attended or kindergarten *(NP)* Elem: 1 2 3 4 5 6 7 8 High: 9 10 11 12 College: 1 2 3 4 5 6+
b. Did -- finish the *(number in 2a)* **[grade year]?**	b.	1 ☐ Yes 2 ☐ No
Hand Card R. Ask first alternative for first person, ask second alternative for other persons. **3a. [What is the number of the group or groups which represents -- race?]** **[What is -- race?]** *Circle all that apply* 1 – Aleut, Eskimo, or American Indian 2 – Asian or Pacific Islander 3 – Black 4 – White 5 – Another group not listed – *Specify*	3a.	1 2 3 4 5↓ ________________ *Specify*
Ask if multiple entries. **b. Which of those groups; that is,** *(entries in 3a)* **would you say BEST represents -- race?**	b.	1 2 3 4 5↓ ________________ *Specify*
c. *Mark observed race of respondent(s) only.*	c.	1 ☐ W 2 ☐ B 3 ☐ O
Hand Card O. **4a. Are any of those groups -- national origin or ancestry? (Where did -- ancestors come from?)**	4a.	1 ☐ Yes 2 ☐ No *(NP)*
b. Please give me the number of the group. *Circle all that apply* 1 – Puerto Rican 2 – Cuban 3 – Mexican/Mexicano 4 – Mexican American 5 – Chicano 6 – Other Latin American 7 – Other Spanish	b.	1 2 3 4 5 6 7

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L. DEMOGRAPHIC BACKGROUND PAGE, Continued

L2 *Refer to "Age" and "Wa/Wb" boxes in C1.*	L2	0 ☐ Under 18 *(NP)* 1 ☐ Wa box marked *(6a)* 2 ☐ Wb box marked *(5a)* 3 ☐ Neither box marked *(5b)*
5a. Earlier you said that -- has a job or business but did not work last week or the week before. Was -- looking for work or on layoff from a job during those 2 weeks?	5a.	1 ☐ Yes *(5c)* 2 ☐ No *(6b)*
b. Earlier you said that -- didn't have a job or business last week or the week before. Was -- looking for work or on layoff from a job during those 2 weeks?	b.	1 ☐ Yes 2 ☐ No *(NP)*
c. Which, looking for work or on layoff from a job?	c.	1 ☐ Looking *(6c)* 2 ☐ Layoff *(6b)* 3 ☐ Both *(6b)*
6a. Earlier you said that -- worked last week or the week before. *Ask 6b.*		
b. For whom did -- work? *Enter name of company, business, organization, or other employer.* **c. For whom did -- work at -- last full-time job or business lasting 2 consecutive weeks or more?** *Enter name of company, business, organization, or other employer or mark "NEV" or "AF" box in person's column*	6b. and c.	Employer ☐ NEV *(6g)* ☐ AF *(6e)*
d. What kind of business or industry is this? *For example, TV and radio manufacturing, retail shoe store, State Labor Department, farm.*	d.	Industry
e. What kind of work was -- doing? *For example, electrical engineer, stock clerk, typist, farmer. If "AF" in 6b-c, mark "AF" box in person's column without asking*	e.	Occupation ☐ AF *(NP)*
f. What were -- most important activities or duties at that job? *For example, types, keeps account books, files, sells cars, operates printing press, finishes concrete*	f.	Duties
Complete from entries in 6b–f. If not clear, ask: **g. Was --** An employee of a **PRIVATE** company, business or individual for wages, salary, or commission? . . . . P A **FEDERAL** government employee? . . . . F A **STATE** government employee? . . . . S A **LOCAL** government employee? . . . . L Self-employed in **OWN** business, professional practice, or farm? *Ask:* Is the business incorporated? Yes . . . . I No. . . . . SE Working **WITHOUT PAY** in family business or farm? . . . . WP **NEVER WORKED** or never worked at a full-time job lasting 2 weeks or more. . . . . NEV	g.	Class of worker 1 ☐ P 2 ☐ F 3 ☐ S 4 ☐ L 5 ☐ I 6 ☐ SE 7 ☐ WP 8 ☐ NEV

FOOTNOTES

L. DEMOGRAPHIC BACKGROUND PAGE, Continued

	Mark box if under 14. If "Married" refer to household composition and mark accordingly. **7. Is -- now married, widowed, divorced, separated, or has -- never been married?**	7.	0 ☐ Under 14 1 ☐ Married – spouse in HH 2 ☐ Married – spouse not in HH 3 ☐ Widowed 4 ☐ Divorced 5 ☐ Separated 6 ☐ Never married
	8a. Was the total combined FAMILY income during the past 12 months – that is, yours, (*read names, including Armed Forces members living at home*) **more or less than $20,000? Include money from jobs, social security, retirement income, unemployment payments, public assistance, and so forth. Also include income from interest, dividends, net income from business, farm, or rent, and any other money income received.** *Read if necessary:* **Income is important in analyzing the health information we collect. For example, this information helps us to learn whether persons in one income group use certain types of medical care services or have certain conditions more or less often than those in another group.**	8a.	1 ☐ $20,000 or more *(Hand Card I)* 2 ☐ Less than $20,000 *(Hand Card J)*
	Read parenthetical phrase if Armed Forces member living at home or if necessary. **b. Of those income groups, which letter best represents the total combined FAMILY income during the past 12 months (that is, yours,** (*read names, including Armed Forces members living at home*))? **Include wages, salaries, and the other items we just talked about.** *Read if necessary:* **Income is important in analyzing the health information we collect. For example, this information helps us to learn whether persons in one income group use certain types of medical care services or have certain conditions more or less often than those in another group.**	b.	00 ☐ A 01 ☐ B 02 ☐ C 03 ☐ D 04 ☐ E 05 ☐ F 06 ☐ G 07 ☐ H 08 ☐ I 09 ☐ J 10 ☐ K 11 ☐ L 12 ☐ M 13 ☐ N 14 ☐ O 15 ☐ P 16 ☐ Q 17 ☐ R 18 ☐ S 19 ☐ T 20 ☐ U 21 ☐ V 22 ☐ W 23 ☐ X 24 ☐ Y 25 ☐ Z 26 ☐ ZZ
R	a. *Mark first appropriate box.*	Ra.	0 ☐ Under 17 1 ☐ Present for all questions 2 ☐ Present for some questions 3 ☐ Not present
	b. *Enter person number of respondent.*	b.	__________ Person number(s) of respondent(s)
L3	*Enter person number of first parent listed or mark box.*	L3	__________ Person number of parent 00 ☐ None in household
L4	*Enter person number of spouse or mark box.*	L4	__________ Person Number of spouse 00 ☐ None in household

FOOTNOTES

L. DEMOGRAPHIC BACKGROUND PAGE, Continued

				RT61
L5	*Refer to age. Complete a separate column for each nondeleted person aged 18 and over.*	**L5**	**PERSON NUMBER** ________	3–4
	Read to respondent(s) – **In order to determine how health practices and conditions are related to how long people live, we would like to refer to statistical records maintained by the National Center for Health Statistics.**			
L6	*Enter date of birth from question 3 on Household Composition page.*	**L6**	Date of birth Month | Date | Year	5–11
	9. In what State or country was – – born? *Print the full name of the State or mark the appropriate box if the person was not born in the United States.*	**9.**	99 ☐ DK ________ State 01 ☐ Puerto Rico 02 ☐ Virgin Islands 03 ☐ Guam 04 ☐ Canada 05 ☐ Cuba 06 ☐ Mexico 98 ☐ All other countries	12–13
L7	*Print full name, including middle initial, from question 1 on Household Composition page.*	**L7**	Last	14–33
			First	34–48
			Middle initial	49
	Verify for males; ask for females. **10. What is – – father's LAST name?** *Verify spelling. DO NOT write "Same."*	**10.**	Father's LAST name ________	50–69
	Read to respondent – **We also need – – Social Security Number. This information is voluntary and collected under the authority of the Public Health Service Act. There will be no effect on – – benefits and no information will be given to any other government or nongovernment agency.** *Read if necessary* – **The Public Health Service Act is title 42, United States Code, section 242k.** **11. What is – – Social Security Number?**	**11.**	999999999 ☐ DK ☐☐☐ - ☐☐ - ☐☐☐☐ Social Security Number	70–78
			Mark if number obtained from → 1 ☐ Memory 2 ☐ Records	79
L8	*Mark box to indicate how Social Security number was obtained.*	**L8**	1 ☐ Self-personal 2 ☐ Self-telephone 3 ☐ Proxy-personal 4 ☐ Proxy-telephone	80

FOOTNOTES

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L. DEMOGRAPHIC BACKGROUND PAGE, Continued

Read to Hhld. respondent — **The National Center for Health Statistics may wish to contact you again to obtain additional health related information. Please give me the name, address, and telephone number of a relative or friend who would know where you could be reached in case we have trouble reaching you. (Please give me the name of someone who is not currently living in the household.)** *Please print items 12–15.*

RT62

12. Contact Person name 3–4 Last 5–24 | First 25–39 | Middle initial 40	**14.** Area code/telephone number 97–106 ☐☐☐ ☐☐☐ - ☐☐☐☐ 107 1 ☐ None 2 ☐ Refused 9 ☐ DK
13a. Address *(Number and street)* 41–65	
b. City 66–85 | State 86–87 | ZIP Code 88–96	**15.** Relationship to household respondent 108–109

GO TO HEALTH PROMOTION AND DISEASE PREVENTION SUPPLEMENT.

FOOTNOTES

FORM HIS-1 (1985) (10-1-84)

E *If this questionnaire is for an EXTRA unit, enter Control Number of original sample unit* ➡ ____________________

If in AREA OR BLOCK SEGMENT, also enter for FIRST unit listed on property ➡

LISTING SHEET	
Sheet number	Line number

TABLE X – LIVING QUARTERS DETERMINATIONS AT LISTED ADDRESS

ADDRESS OF ADDITIONAL LIVING QUARTERS	LOCATION OF UNIT	SEPARATENESS AND FACILITIES		CLASSIFICATION	AREA AND BLOCK SEGMENTS	PERMIT SEGMENTS
If already listed, fill sheet and line number below and stop Table X. Otherwise, enter basic address and unit address, if any, OR description of location. (1)	**Is this a unit in a special place?** (2)	**Do the occupants (or intended occupants) of** *(address in col. (1))* **live and eat separately from all other persons on the property?** (3)	**Does** *(address in col. (1))* **have direct access from the outside or through a common hall?** (4)	**N – Not a separate unit** *Include on this questionnaire.* **HU OT** **Separate unit** – *Do not include on this questionnaire. Complete the appropriate segment type column for interviewing instructions.* (5)	**Is this unit within the segment boundaries?** (6)	**Is this unit within the same structure as the original sample unit?** (7)
Sheet ________ Line ________	☐ Yes – *Skip to col. (5) and mark according to Table A in Part C of manual* ☐ No	☐ Yes ☐ No – *Skip to col. (5) and mark N*	☐ Yes – *Mark HU in col. (5)* ☐ No – *Mark N in col. (5)*	☐ N – *Stop Table X for this line* ☐ HU – *Fill col. (6) or (7), as appropriate* ☐ OT – *Fill col. (6) or (7), as appropriate*	☐ Yes – *Interview as an EXTRA unit* ☐ No – *Do not interview*	☐ Yes – *List on first available line of listing sheet. Interview if in sample.* ☐ No – *Do not interview*
Sheet ________ Line ________	☐ Yes – *Skip to col. (5) and mark according to Table A in Part C of manual* ☐ No	☐ Yes ☐ No – *Skip to col. (5) and mark N*	☐ Yes – *Mark HU in col. (5)* ☐ No – *Mark N in col. (5)*	☐ N – *Stop Table X for this line* ☐ HU – *Fill col. (6) or (7), as appropriate* ☐ OT – *Fill col. (6) or (7), as appropriate*	☐ Yes – *Interview as an EXTRA unit* ☐ No – *Do not interview*	☐ Yes – *List on first available line of listing sheet. Interview if in sample.* ☐ No – *Do not interview*
Sheet ________ Line ________	☐ Yes – *Skip to col. (5) and mark according to Table A in Part C of manual* ☐ No	☐ Yes ☐ No – *Skip to col. (5) and mark N*	☐ Yes – *Mark HU in col. (5)* ☐ No – *Mark N in col. (5)*	☐ N – *Stop Table X for this line* ☐ HU – *Fill col. (6) or (7), as appropriate* ☐ OT – *Fill col. (6) or (7), as appropriate*	☐ Yes – *Interview as an EXTRA unit* ☐ No – *Do not interview*	☐ Yes – *List on first available line of listing sheet. Interview if in sample.* ☐ No – *Do not interview*

NOTE: Be sure to continue interview for original unit after completing Table X for all lines.

FOOTNOTES

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